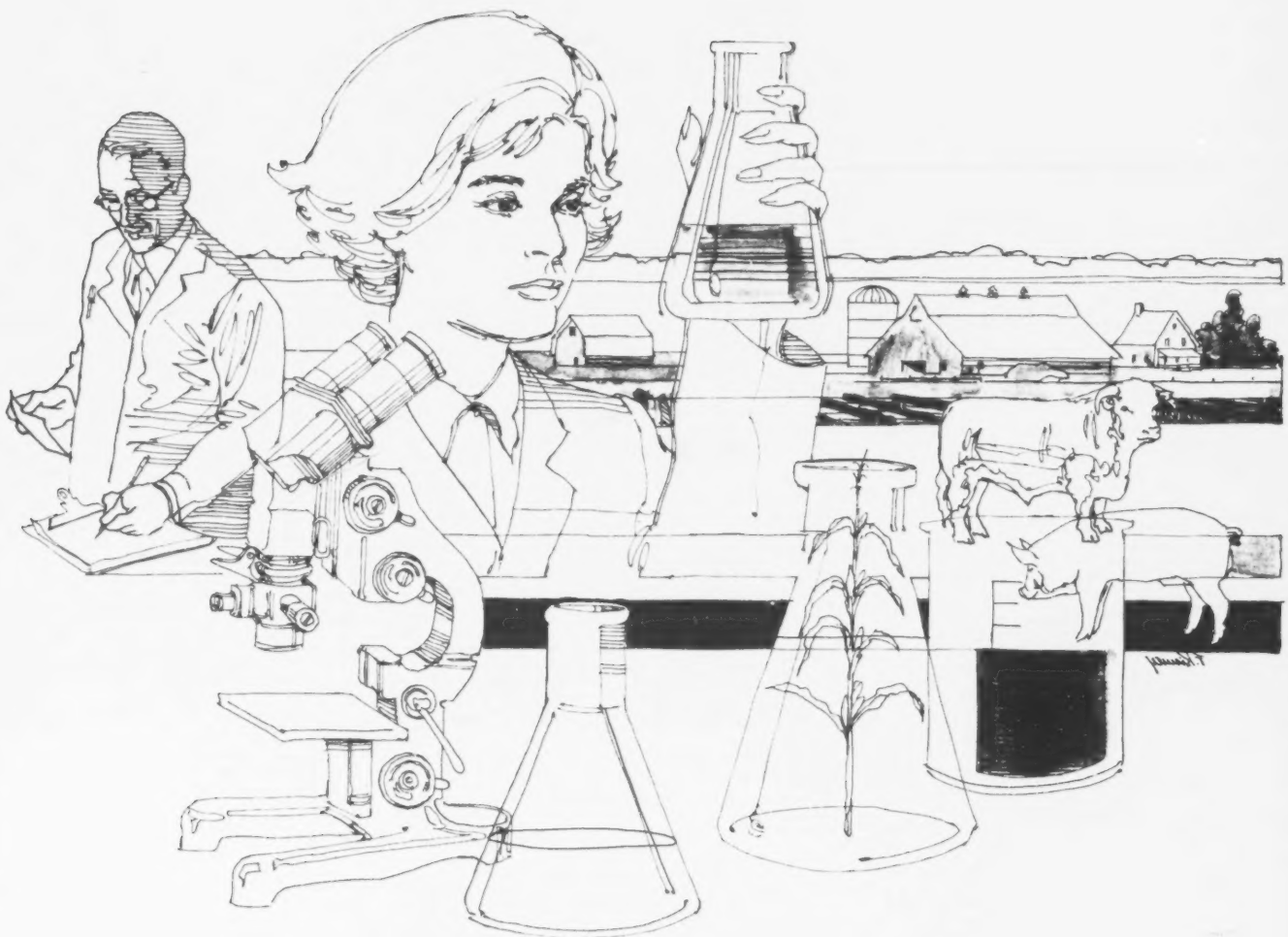
1985 STATISTICAL PROFILE OF IOWA

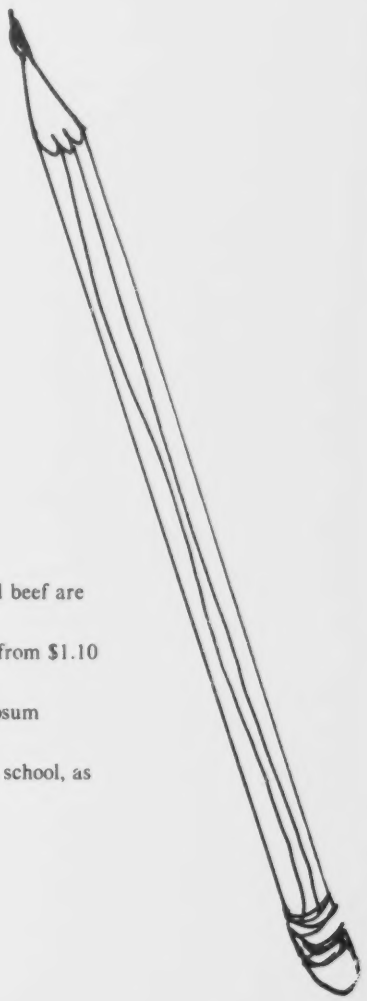
IOWA®

IOWA DEVELOPMENT COMMISSION



How many of these quick facts about Iowa do you know?

- Iowa industry generates about 3½ times as much total revenue as Iowa agriculture.
- Among the fifty states, Iowa ranks 27th in population and 25th in land area.
- The median age of Iowans is 30.
- Iowa has more miles of road than 40 other states, even though it's only twenty-fifth in area.
- Iowa farmers produced more than $9 billion in crops and livestock in 1983.
- The violent crime rate in Iowa is only 34% of the national average.
- 123 of Fortune magazine's "Top 500" companies have manufacturing plants in Iowa.
- Iowa has more airports than 38 other states. You cannot drive more than 30 minutes in any direction in Iowa without finding an airport suitable for a company jet.
- There are 2,827 registered aircraft in Iowa.
- The adjusted hospital expenses per in-patient day in Iowa are 20.6% below the national average.
- The latest census determined that Iowa's population numbers 2,913,808.
- In 1983 the largest source of personal income for Iowans was manufacturing, followed by wholesale/retail trade, services and government.
- In 1984 Iowa ranked first in production of corn, second in soybeans.
- The assets of Iowa's 38 home-based life insurance companies are more than $17.6 billion.
- One out of seven jobs in Iowa's manufacturing sector are directly or indirectly related to exports.
- Over a million pheasants were harvested in Iowa during 1983.
- Of Iowa's total population, 77.6% were born here.
- More than 75% of Iowa's commodities are transported via motor freight carriers.



- Iowa has over 1.5 million acres of forest land.
- 26% of America's pork and 11% of the nation's grain-fed beef are raised in Iowa.
- Total Iowa exports have increased five times since 1970 from $1.10 billion to $5.25 billion.
- Iowa ranks third in the United States in the value of gypsum produced.
- 88.0% of Iowa's 17 and 18-year-olds graduate from high school, as compared to a national average of 73.9%.

1985
STATISTICAL PROFILE OF IOWA

IOWA DEVELOPMENT COMMISSION
600 East Court Avenue
Des Moines, Iowa 50309

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Office of the Governor

STATE CAPITOL
DES MOINES, IOWA 50319

Dear Friends,

Iowans have may good reasons to be proud. Did you know that:

*Iowa farmers produce enough to feed 279 people, more than three times the food producing capability of the average U.S. farmer.

*Iowa workers are 32% more efficient than the national average. The typical Iowan employed in manufacturing produces $13,640 more value per year than his/her average counterpart throughout America.

*Iowa has 19,000 miles of interior fishing streams. It's a sportsman's paradise.

*Iowa ranks number three in per capita exports. Iowa commodities and products can be found in every corner of the world.

*Iowa has one of the lowest violent crime rates in the nation, ranking 44 out of the 50 states.

*Iowa's per capita debt is the nation's fourth lowest. Iowa's future is not mortgaged. Revenue can be used for business and people rather than paying interest.

*Iowa is an ideal distribution point. Open port warenousing in Iowa saves tax dollars.

*Iowa high school students' average on the Scholastic Aptitude Test (SAT) was one of the highest in the nation.

Add to these impressive facts a well educated work force, a favorable tax structure and a government that's aggressively pursuing economic development. The Iowa life-style is both stimulating and supportive of old-fashioned American values.

We are anxious to spread the word about Iowa. Let this book be your introduction, then come find out for yourself. As Meredith Willson said in The Music Man, "You really ought to give Iowa a try."

Sincerely,

Terry E. Branstad

Terry E. Branstad
Governor

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Iowa farmers outproduce the rest

Iowa is truly the heartland of American agriculture.

Iowa farmers produced more than $9 billion in crops and livestock in 1983—26% of America's pork and 11% of the nation's grain fed beef in 1983.

Iowa ranked first in corn production (1.4 billion bushels) and second in soybean production (294 million bushels) in 1984.

Selected agricultural production of ten leading states, 1983

Item	Rank 1	2	3	4	5	6	7	8	9	10	Iowa % of U.S.
Crops — 1983											
Total acres of principal crops harvested[1]	IOWA	Ill.	Kans.	N.D.	Minn.	Texas	Neb.	S.D.	Mo.	Ind.	7
Corn for grain	IOWA	Ill.	Neb.	Minn.	Ind.	Ohio	Wis.	Mich.	Texas	S.D.	18
Corn for silage	Wis.	N.Y.	Minn.	IOWA	Neb.	Pa.	Mich.	Cal.	Ohio	Colo.	7
Soybeans for beans	IOWA	Ill.	Minn.	Ind.	Ohio	Mo.	Ark.	La.	Neb.	Miss.	17
Oats	S.D.	Minn.	N.D.	Wis.	IOWA	Texas	Pa.	Mich.	Ohio	Neb.	8
Alfalfa hay & mixtures	Wis.	Minn.	Cal.	S.D.	Neb.	IOWA	Idaho	Mich.	N.D.	Kans.	6
All hay	Wis.	Minn.	Neb.	S.D.	Texas	Cal.	IOWA	Mo.	N.Y.	N.D.	4
Livestock on Hand January 1, 1984											
All cattle and calves	Texas	Neb.	[2]	[2]	Okla.	Mo.	Cal.	Wis.	S.D.	Minn.	5
Milk cows that have calved	Wis.	Cal.	N.Y.	Minn.	Pa.	Ohio	Mich.	IOWA	Texas	Mo.	3
Beef cows that have calved	Texas	Mo.	Okla.	Neb.	S.D.	Mont.	Kans.	IOWA	Fla.	Tenn.	4
All hogs — December 1983	IOWA	Ill.	Minn.	Ind.	Neb.	Mo.	N.C.	Ohio	S.D.	Kans.	27
Cattle and calves on feed	Texas	Neb.	Kans.	IOWA	Colo.	Cal.	Ill.	Ariz.	Minn.	S.D.	9
Sheep and lambs on feed	Colo.	Cal.	Texas	Ore.	Wyo.	IOWA	Neb.	S.D.	N.M.	Kans.	6
Livestock Production in 1983											
Cattle and calf production	Texas	Neb.	Kans.	IOWA	Okla.	S.D.	Cal.	Mo.	Colo.	Minn.	6
Fed cattle marketed	Neb.	Texas	Kans.	IOWA	Colo.	Cal.	Ill.	[3]	[3]	Okla.	11
Hog production	IOWA	Ill.	Ind.	Minn.	Mo.	Neb.	N.C.	Ohio	Kans.	S.D.	26
Sheep production	Texas	Cal.	S.D.	Colo.	Wyo.	Idaho	Mont.	Utah	IOWA	Ore.	4
Turkey production	N.C.	Minn.	Cal.	Mo.	Ark.	Va.	IOWA	Wis.	Pa.	Ind.	5
Calf crop	Texas	Mo.	Okla.	Wis.	Neb.	[4]	[4]	Cal.	Mont.	Kans.	4
Pig crop	IOWA	Ill.	Minn.	Ind.	Mo.	Neb.	N.C.	Ohio	Wis.	Kans.	25
Turkeys raised	N.C.	Minn.	Cal.	Mo.	Ariz.	Va.	Wis.	Pa.	[5]	[5]	4
Cattle slaughter[6]	Texas	Neb.	Kans.	IOWA	Colo.	Cal.	Wis.	Minn.	Ill.	Pa.	9
Hog slaughter[6]	IOWA	Ill.	Minn.	Mich.	Neb.	Mo.	Va.	Ohio	S.D.	Ind.	25
Sheep slaughter[6]	Colo.	Cal.	Texas	IOWA	S.D.	Minn.	Mich.	Wash.	Ill.	N.M.	8
Wool production	Texas	Wyo.	Cal.	Colo.	S.D.	Utah	Mont.	N.M.	Idaho	IOWA	4
Milk production	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Ohio	IOWA	Texas	Wash.	3
American cheese[7]	Wis.	Minn.	Idaho	IOWA	Cal.	N.Y.	Utah	Mo.	S.D.	Ind.	4
Total cheese[7]	Wis.	Minn.	N.Y.	Cal.	IOWA	Idaho	Mo.	Pa.	Ill.	Vt.	5

[1]Crop acres included are: Corn, Sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower, cotton, all hay, dry beans, potatoes, sweet potatoes, tobacco, sugarcane and sugar beets.
[2]Tie between Iowa and Kansas.
[3]Tie between Minnesota and South Dakota.
[4]Tie between Iowa and South Dakota.
[5]Tie between Iowa and Indiana.
[6]Commercial slaughter based on total live weight.
[7]Excludes cottage cheese.
[8]1982 data, 1983 data not available.
Source: Iowa Crop and Livestock Reporting Service.

Cash receipts from sale of farm produce (thousands)

	1970	% of Total	1975	% of Total	1980	% of Total	1982r	% of Total	1983	% of Total
All Commodities	$4,129,900	100.0	$6,494,484	100.0	$10,491,035	100.0	$10,302,822	100.0	$9,334,873	100.0
Livestock Products	2,853,411	69.1	3,906,402	60.1	5,535,245	52.8	6,023,827	58.5	5,395,117	57.8
Meat Animals	2,528,795	61.2	3,469,497	53.4	4,870,310	46.7	5,303,993	51.5	4,680,070	50.1
Cattle Calves	1,431,168	34.6	1,567,561	24.1	2,654,488	25.3	2,411,414	23.4	2,105,250	22.6
Hogs	1,074,409	26.0	1,886,709	29.0	2,196,559	20.9	2,874,853	27.9	2,556,225	27.4
Sheep Lambs	23,218	.5	15,227	.2	19,293	.2	17,726	.2	18,595	.2
Dairy Products	220,719	5.4	304,224	4.7	506,847	4.8	552,420	5.4	557,964	6.0
Misc. Livestock	7,094	.2	9,647	.1	19,096	.2	24,036	.2	18,722	.2
Poultry & Eggs	96,803	2.3	123,034	1.9	138,992	1.3	143,378	1.4	138,361	1.5
Crops	1,276,489	30.9	2,588,082	39.9	4,955,790	47.2	4,278,995	41.5	3,939,756	42.2
Food Grains	1,769	•	9,968	.2	10,997	.1	11,036	.1	7,060	.1
Wheat	1,697	•	9,811	.1	10,997	.1	10,832	.1	6,907	.1
Feed Crops	666,508	16.1	1,584,964	24.4	2,703,097	25.8	2,358,735	22.9	1,921,414	20.6
Corn	636,610	15.4	1,508,165	23.2	2,630,431	24.8	2,276,590	22.1	1,867,166	20.0
Oats	17,315	.5	41,082	.6	35,122	.3	36,300	.4	19,531	.4
Hay	11,613	.2	34,282	.5	35,815	.3	44,668	.4	33,918	.4
Sorghum Grain	921	.1	1,389	•	1,729	•	1,177	•	799	•
Oil Crops	582,092	14.1	944,525	14.5	2,172,444	20.7	1,843,416	17.9	1,944,954	20.8
Soybeans	582,036	14.0	944,421	14.5	2,172,444	20.7	1,843,416	17.9	1,944,954	20.8
Vegetables	6,218	.2	10,490	.2	7,247	•	8,096	.1	7,277	.1
Fruits, Nuts	1,412	•	1,256	•	2,962	•	3,635	•	3,731	•
All Other Crops	18,490	.5	36,879	.6	64,165	.6	54,077	.5	55,320	.6

r = Revised.
•less than .1%
Source: Economic Research Service, United States Department of Agriculture.

Farm real estate, average value of land and buildings per acre

	1970	1975	1978	1980	1981	1982	1983	1984
Illinois	$490	$846	$1,625	$2,013	$2,133	$1,940	$1,727	$1,692
Indiana	406	720	1,137	1,833	1,972	1,715	1,492	1,477
IOWA	392	719	1,331	1,811	1,941	1,802	1,568	1,396
Kansas	159	296	418	573	590	585	544	528
Minnesota	226	429	761	1,061	1,231	1,197	1,065	990
Missouri	224	396	641	878	941	872	759	759
Nebraska	154	282	412	600	660	626	563	495
Ohio	399	706	1,224	1,678	1,727	1,474	1,297	1,245
South Dakota	84	145	227	273	290	291	271	263
Wisconsin	232	434	718	980	1,105	1,073	1,019	958
48 States	196	340	531	725	795	788	743	739

r = Revised.
Source: Farm Estate Market Developments, U.S. Department of Agriculture, July 1984.

Realized gross and net income from farming in Iowa (millions)

Year	Cash Receipts From Farm Marketings	Government Payments	Non-money Income	Other Farm Income	Realized Gross Farm Income	Farm Production Expenses	Realized Net Farm Income	Net Change In Farm Inventories	Total Net Farm Income
1970	$ 4,139.8	$235.8	$188.6	$ 34.7	$ 4,599.0	$ 3,464.0	$1,135.0	$ -84.4	$1,050.6
1971	3,972.1	203.5	196.0	41.3	4,412.8	3,627.0	785.9	35.6	821.4
1972	4,730.8	318.5	210.0	42.4	5,301.8	4,195.2	1,106.6	136.2	1,242.8
1973	6,989.8	186.2	234.7	52.4	7,463.1	5,112.8	2,350.8	300.1	2,650.4
1974	7,456.5	16.6	285.0	64.0	7,822.2	5,508.8	2,313.4	864.9	1,448.5
1975	6,494.5	53.1	336.1	80.6	6,964.3	5,923.8	1,040.5	591.2	1,631.7
1976r	7,154.7	26.8	382.9	80.1	7,644.5	6,544.7	1,099.8	-173.8	926.0
1977r	6,894.2	28.9	516.2	95.8	7,535.0	6,889.5	645.5	362.7	1,008.2
1978r	8,557.0	271.0	529.2	107.1	9,464.3	7,820.0	1,644.3	421.0	2,065.3
1979r	9,247.0	69.2	600.6	136.5	10,053.3	9,043.6	1,009.7	637.2	1,646.9
1980r	10,488.2	44.6	755.3	134.2	11,422.3	9,957.5	1,464.7	-628.3	836.4
1981r	10,546.0	58.2	845.8	166.9	11,616.8	10,019.6	1,597.3	489.0	2,086.2
1982r	10,302.8	215.9	835.0	172.9	11,526.6	10,088.6	1,438.0	-575.1	863.0
1983	9,334.9	899.5	727.1	132.0	11,093.5	9,219.2	1,874.4	2,091.8	-217.4

r = Revised figures.
Source: Economic Indicators of the Farm Sector: State Balance Sheet Statistics, 1983, Economic Research Service, U.S.D.A.

Net income[1] per farm[2] (dollars)

	1970	1975	1980r	1981r	1982r	1983
IOWA	$7,442	$13,196	$ 7,029	$17,680	$ 7,376	$-1,891
Minnesota	6,805	10,819	11,454	14,462	9,627	7,202
South Dakota	6,786	14,802	8,905	15,583	11,160	12,650
Nebraska	6,340	14,802	2,810	18,712	11,358	6,209
Kansas	6,062	8,884	7,061	11,504	12,343	7,958
Missouri	3,025	4,712	2,442	6,942	2,937	-506
Illinois	4,996	18,596	4,865	17,676	8,989	5,845
Wisconsin	5,265	7,792	15,377	15,672	13,200	11,050
Indiana	3,390	10,531	6,789	7,629	5,609	-1,545
Ohio	3,338	6,891	6,848	3,302	5,122	1,310
U.S.	4,837	9,860	8,731	12,723	9,306	6,793

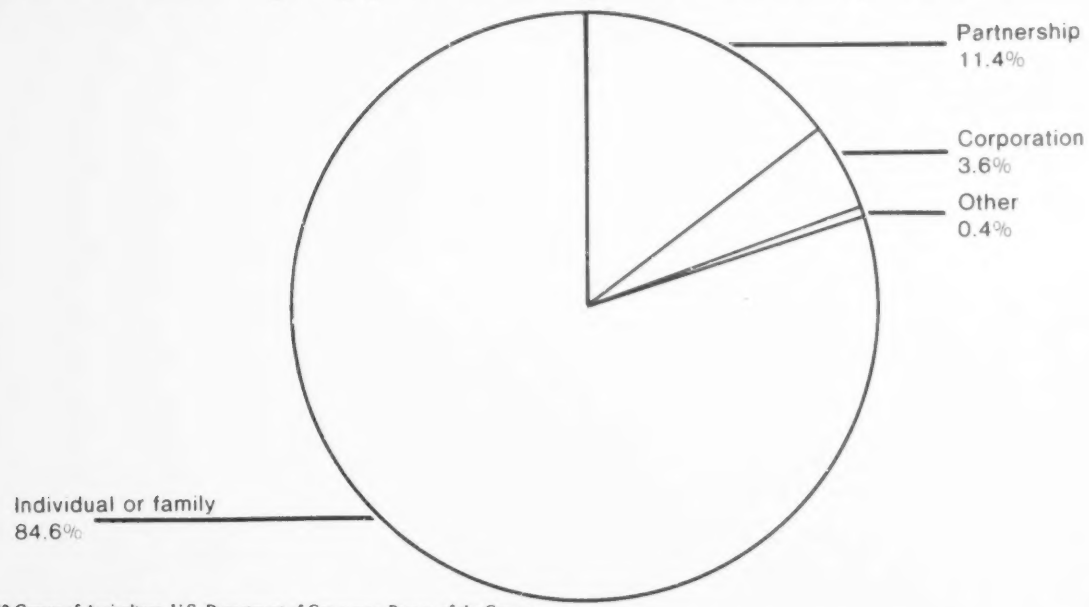
r = Revised.
[1]Includes changes in inventories and represents income of farm operator.
[2]A farm is a place with annual sales of agricultural products of $1,000 or more.
Source: Economic Indicators of the Farm Sector; State Income and Balance Sheet Statistics, 1983; National Economic Division, Economics Research Service, U.S.D.A.

Characteristics of Iowa farms[1]

Year	Agricultural Workers (Hired & Owners)[2]	Number of Farms[4]	Average Size Farms[4]	Total Land in Farms (1,000 Acres)[4]	Owned by Operator % of Total[5]	Rented by Operator % of Total[5]
1970	165,400	140,354	237	33,570	50.7	49.3
1975	159,400	130,000	262	34,100	N/A	N/A
1976	168,500	127,000	269	33,900	N/A	N/A
1977	161,300	125,000	273	33,800	N/A	N/A
1978	166,700	126,456	266	33,581	46.5	53.5
1979	164,600	121,000	281	33,800	N/A	N/A
1980	160,700	119,000	286	33,800	N/A	N/A
1981[r]	156,600	118,000	286	33,800	N/A	N/A
1982[e]	153,300	117,000	289	33,800	45.9	54.1
1983[e]	150,000	115,000	293	33,700	N/A	N/A
1984	149,400[3]	113,000	297	33,600	N/A	N/A

N/A = Not available.
[1]A farm is defined as a place with annual receipts of $1,000 or more of agricultural products.
[2]Revised figures, Source: Job Service of Iowa.
[3]Estimated from first eight months of 1984.
[4]Iowa Crop and Livestock Reporting Service.
[5]Census of Agriculture, 1970, 1974, 1978, 1982, U.S. Department of Commerce, Bureau of the Census.

Iowa farms by type of organization, 1982



Source: 1982 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.

Wage rates[1] for selected farm workers, 1984

	Field Workers	Livestock Workers	Field & Livestock Workers Combined	All Hired Farm Workers
Illinois	$3.89	$3.64	$3.85	$4.09
Indiana	3.65	3.53	3.60	3.76
IOWA	3.81	3.77	3.80	3.98
Kansas	4.00	4.20	4.03	4.50
Michigan	3.96	4.47	4.02	4.10
Minnesota	3.84	3.21	3.67	3.78
Missouri	3.41	4.01	3.60	3.83
Nebraska	4.20	4.30	4.23	4.10
Ohio	4.04	3.84	4.00	4.26
Wisconsin	3.20	2.75	2.98	3.16

[1] = Dollars per hour.
Source: Farm Labor, Crop Reporting Board, Statistical Reporting Service, U.S. Department of Agriculture, 1984.

Iowa farmers by age group

Operators by age group	1969	1974	1978r	1982
Under 25 years	3,600	4,280	6,339	5,602
25 to 34 years	18,734	15,835	19,205	20,346
35 to 44 years	31,235	24,153	23,918	22,548
45 to 54 years	39,255	33,668	30,341	26,104
55 to 64 years	33,543	31,404	28,959	27,594
65 years and over	14,347	15,355	12,577	13,219
Average age	48.7	49.3	47.5	47.6

r = Revised.
Source: 1982 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.

Farm equipment retail sales

	1977	1980	1981	1982	1983e
Farm wheel tractors, 40 PTO horsepower and over	8,396	7,136	6,091	4,794	4,433
Self-propelled combines	1,595	2,928	2,966	1,895	1,411

e = Estimate.
Source: Unit Retail Sales — Implement & Tractor, November, 1984.

Federal farm payments by program (thousands)

Program	1970	1975	1980	1981	1982	1983
Conservation	$ 8,832	$ 7,233	$ 7,615	$ 7,523	$ 6,463	$ 8,125
Sugar Act	50	—	—	—	—	—
Wool Act	1,523	—	—	—	—	1,440
Soil Bank	5	—	—	—	—	—
Feed Grain	221,294	44,286	6,319	11,730	81,366	262,493
Wheat	809	460	96	972	467	498
Cropland Adjustment	3,302	668	—	—	—	—
Drought and Flood	—	—	7	—	5	—
Miscellaneous	—	474	30,526	37,945	127,568	626,928
Total	235,815	53,121	44,563	58,170	215,869	899,484

Source: Economic Indicators of the Farm Sector; State Income and Balance Sheet Statistics, 1983; National Economic Division, Economic Research Service, U.S.D.A.

Principal machines on Iowa farms

	1979	1980	1982	1983	1984
Wheel and Crawler Tractors	300,600	328,292	324,800	320,000	314,000
Self-propelled Combines	45,500	55,889	64,400	65,900	65,900
Corn Pickers, Corn Heads & Picker-Shellers	49,000	53,427	62,200	63,600	64,000
Pick-up Balers	36,700	34,400	42,900	42,000	41,000
Side Delivery Rakes	87,000	86,400	91,200	99,000	97,900
Motor Trucks & Pickups	146,000	148,000	149,900	150,500	150,700
Power Elevators	179,000	185,000	206,300	207,800	208,800
Tractor Moldboard Plows	216,400	235,000	221,200	219,500	215,500
Field Forage Harvesters	24,280	19,479	26,500	26,500	26,300
Manure Spreaders	103,300	110,000	110,500	108,000	106,000
Corn Planters	104,300	109,000	116,600	115,500	114,500
Grain Drills	57,700	59,600	66,700	66,200	657,000
Hay Conditioners	25,370	26,631	33,800	34,200	34,400

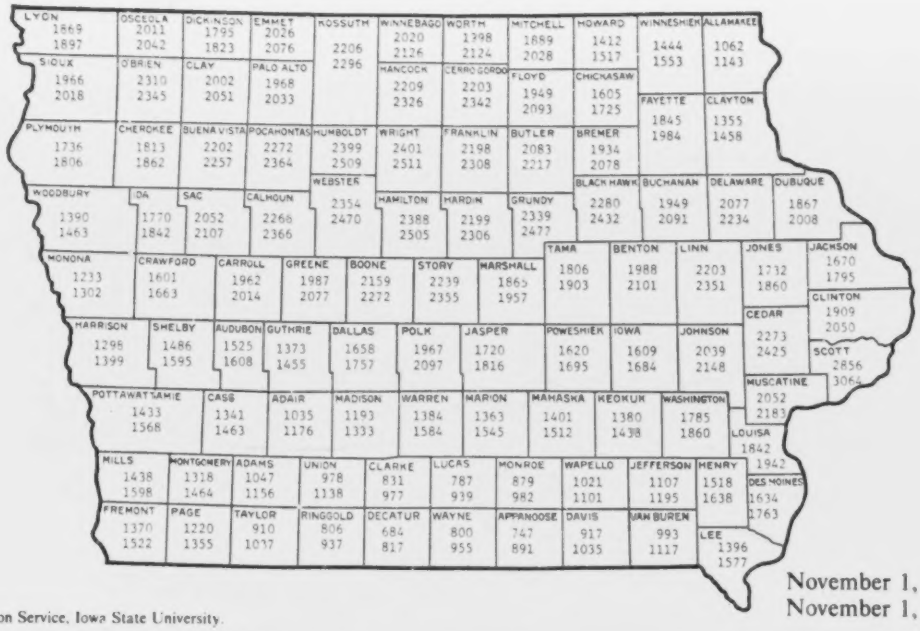
Source: Principal Machines on Farms — Implement & Tractor, November, 1984.

Comparison of income spent on food, U.S. and selected countries

	% of population Involved in Food Production	% of disposable Income Spent on Food	Positive food Trade Balance in Billion $	Minutes Worked to Earn		
				1 lb. Beef	1 lb. Bread	1 Dozen Eggs
United States	2.3	14	$ 18.0	16	4	6
Australia	6.0	17	5.0	22	4	11
Brazil	38.9	41	5.0	135	43	73
China	60.6	60	-1.9	455	N/A	205
France	9.1	20	.1	34	8	13
India	64.0	59	.5	N/A	46	131
Japan	11.8	23	-13.0	174	7	12
Mexico	36.9	41	.4	132	52	62
South Korea	39.9	44	-1.5	335	N/A	48
Soviet Union	17.3	34	-8.1	60	8	71
United Kingdom	2.1	19	-.8	57	4	16

N/A = Not Available
Source: Agricultural Council of America.

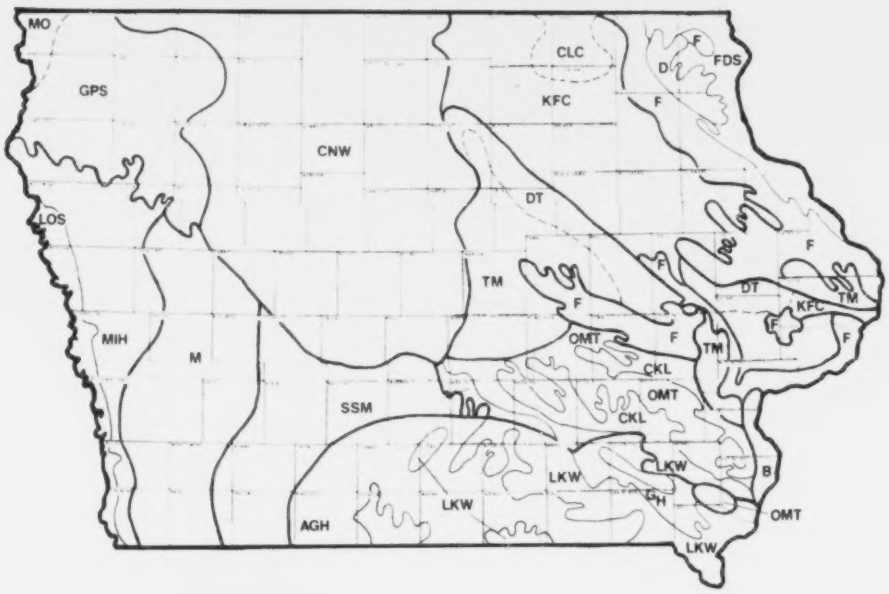
Average value of farm land, 1983



November 1, 1983 above.
November 1, 1982 below.

Source: Cooperative Extension Service, Iowa State University.

Principal soil-association areas



B	SOILS OF MISS. BOTTOMLAND		GRADATIONAL BOUNDARY				
----	TENTATIVE BOUNDARY		ABRUPT BOUNDARY				
AGH	ADAIR-GRUNDY-HAIG	D	DOWNS	GH	GRUNDY-HAIG	MIH	MONONA-IDA-HAMBURG
ASE	ADAIR-SEYMOUR-EDINA	DT	DINSDALE-TAMA	KFC	KENYON-FLOYD-CLYDE	Mo	MOODY
CKL	CLINTON-KESWICK-LINDLEY	F	FAYETTE	LKW	LINDLEY-KESWICK-WELLER	OMT	OTLEY-MAHASKA-TAINTER
CLC	CRESCO-LOURDES-CLYDE	FDS	FAYETTE-DUBUQUE-STONYLAND	LOS	LUTON-ONAWA-SALIX	SSM	SHELBY-SHARPSBURG-MACKSBURG
CNW	CLARION-NICOLLET-WEBSTER	GPS	GALVA-PRIMGHAR-SAC	M	MARSHALL	TM	TAMA-MUSCATINE

SOURCE: Cooperative Extension Service, Iowa State University.

Number and average size of farms

County and District	Number of farms				Average acres per farm			
	1980	1981	1982	1983[1]	1980	1981	1982	1983[1]
Buena Vista	1,250	1,250	1,250	1,240	283	284	284	285
Cherokee	1,180	1,180	1,180	1,160	304	305	305	306
Clay	1,030	1,030	1,030	1,030	340	338	338	338
Dickinson	660	660	660	660	345	341	341	346
Emmet	720	720	720	720	329	334	334	337
Lyon	1,390	1,390	1,390	1,390	264	264	264	264
O'Brien	1,240	1,240	1,240	1,240	285	286	286	287
Osceola	820	820	820	820	303	299	299	303
Palo Alto	1,050	1,050	1,050	1,050	333	330	330	335
Plymouth	1,890	1,890	1,890	1,880	286	286	286	286
Pocahontas	1,150	1,150	1,150	1,140	312	312	312	312
Sioux	1,920	1,920	1,920	1,880	244	245	245	246
N.W. District	14,300	14,300	14,300	14,210	295	294	294	296
Butler	1,520	1,520	1,500	1,480	234	234	237	237
Cerro Gordo	1,020	1,020	1,020	1,020	334	325	325	330
Floyd	1,130	1,130	1,120	1,100	271	275	275	276
Franklin	1,170	1,170	1,170	1,170	310	302	302	307
Hancock	1,220	1,220	1,210	1,190	291	290	292	293
Humbolt	860	860	850	850	313	311	315	318
Kossuth	1,930	1,930	1,920	1,880	314	315	317	319
Mitchell	1,030	1,030	1,030	1,000	283	283	283	287
Winnebago	880	880	870	850	281	280	283	285
Worth	840	840	830	810	294	290	293	298
Wright	1,100	1,100	1,080	1,040	326	326	332	340
N.C. District	12,700	12,700	12,600	12,390	294	293	295	298
Allamakee	1,190	1,190	1,170	1,150	322	323	325	329
Black Hawk	1,400	1,390	1,370	1,370	226	208	211	226
Bremer	1,310	1,310	1,310	1,300	202	200	200	200
Buchanan	1,510	1,500	1,480	1,450	230	233	236	239
Chickasaw	1,170	1,170	1,150	1,140	267	264	269	271
Clayton	1,880	1,850	1,810	1,720	244	246	252	262
Delaware	1,500	1,500	1,490	1,480	237	234	235	236
Dubuque	1,720	1,710	1,690	1,660	206	206	209	210
Fayette	1,840	1,810	1,780	1,670	240	245	249	265
Howard	1,070	1,070	1,060	1,060	273	272	275	276
Winneshiek	1,810	1,800	1,790	1,730	233	234	236	241
N.E. District	16,400	16,300	16,100	15,730	241	240	243	248
Audubon	980	980	980	910	288	287	287	305
Calhoun	1,120	1,120	1,120	1,120	317	311	311	316
Carroll	1,320	1,320	1,320	1,320	269	268	268	270
Crawford	1,630	1,620	1,600	1,590	277	278	281	281
Greene	1,050	1,050	1,050	1,050	343	336	336	338
Guthrie	1,120	1,120	1,100	1,100	330	330	333	334
Harrison	1,250	1,240	1,230	1,230	342	347	349	350
Ida	900	890	880	870	304	303	310	311
Monona	1,000	1,000	990	980	429	427	431	432
Sac	1,110	1,110	1,100	1,100	325	323	323	326
Shelby	1,220	1,220	1,220	1,210	303	303	303	305
Woodbury	1,900	1,830	1,790	1,680	276	282	288	304
W.C. District	14,600	14,500	14,400	14,160	312	310	315	319
Boone	1,220	1,220	1,220	1,210	278	274	274	280
Dallas	1,190	1,190	1,190	1,180	296	296	296	296
Grundy	1,170	1,170	1,170	1,170	272	268	268	271
Hamilton	1,230	1,230	1,230	1,210	290	288	288	291
Hardin	1,180	1,180	1,180	1,180	299	295	295	297
Jasper	1,570	1,560	1,550	1,530	283	288	290	291
Marshall	1,230	1,230	1,210	1,200	283	282	286	288
Polk	1,310	1,230	1,200	1,160	203	212	217	222
Poweshiek	1,230	1,230	1,210	1,200	294	294	299	301
Story	1,140	1,140	1,140	1,140	298	293	293	295
Tama	1,650	1,640	1,620	1,570	269	271	275	280
Webster	1,280	1,280	1,280	1,280	337	332	332	333
C. District	15,400	15,300	15,200	15,030	283	283	284	287

Number, size of farms (continued)

County and District	Number of farms				Average acres per farm			
	1980	1981	1982	1983[1]	1980	1981	1982	1983[1]
Benton	1,460	1,460	1,460	1,460	303	298	298	301
Cedar	1,270	1,270	1,270	1,270	281	277	277	280
Clinton	1,620	1,620	1,620	1,590	255	251	251	252
Iowa	1,170	1,170	1,170	1,170	308	309	309	309
Jackson	1,460	1,460	1,460	1,440	266	267	267	268
Johnson	1,390	1,390	1,390	1,390	247	242	242	243
Jones	1,370	1,370	1,370	1,340	261	261	261	262
Linn	1,690	1,690	1,690	1,690	237	231	231	231
Muscatine	930	930	930	930	276	270	270	271
Scott	1,040	1,040	1,040	1,040	240	232	232	235
E.C. District	13,400	13,400	13,400	13,320	266	263	263	264
Adair	1,080	1,080	1,070	1,060	334	333	336	337
Adams	740	740	730	730	359	360	365	365
Cass	1,070	1,070	1,060	1,060	329	326	329	329
Fremont	740	740	740	730	425	428	428	428
Mills	730	730	720	710	368	369	375	377
Montgomery	780	780	780	780	337	333	333	334
Page	1,050	1,050	1,050	1,050	314	313	313	315
Pottawattamie	1,930	1,930	1,890	1,850	293	291	297	306
Taylor	980	980	960	920	343	344	351	364
S.W. District	9,100	9,100	9,000	8,890	336	335	339	343
Appanoose	1,140	1,060	1,010	930	254	274	287	304
Clarke	700	700	690	690	385	379	385	386
Decatur	840	820	790	770	397	401	417	426
Lucas	890	830	820	780	295	317	321	333
Madison	1,320	1,280	1,250	1,160	268	277	283	301
Marion	1,270	1,270	1,270	1,240	244	244	244	247
Monroe	920	830	800	780	289	321	333	340
Ringgold	850	840	830	800	404	404	409	424
Union	710	710	710	710	374	369	369	369
Warren	1,400	1,400	1,390	1,370	248	248	250	250
Wayne	860	860	840	840	379	375	383	386
S.C. District	10,900	10,600	10,400	10,070	309	316	322	330
Davis	1,210	1,100	1,060	1,010	256	283	294	308
Des Moines	800	800	790	790	275	273	276	279
Henry	990	990	980	970	265	263	266	267
Jefferson	1,070	1,020	990	950	248	261	269	274
Keokuk	1,180	1,180	1,170	1,170	301	302	305	305
Lee	1,170	1,130	1,120	1,090	254	262	264	268
Louisa	730	730	720	710	324	324	328	328
Mahaska	1,380	1,370	1,360	1,280	257	258	260	274
Van Buren	1,000	980	970	940	294	301	304	311
Wapello	1,400	1,230	1,180	1,050	180	205	213	238
Washington	1,270	1,270	1,260	1,240	274	274	276	278
S.E. District	12,200	11,800	11,600	11,200	262	271	275	283
State	119,000	118,000	117,000	115,000	286	286	289	293

[1]Preliminary
Source: Iowa Crop and Livestock Reporting Service.

Corn and soybeans harvested

County & District	Corn						Corn for Silage		Soybeans					
	1981		1982r		1983		1982r	1983	1981		1982r		1983	
	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	(000's of Tons)		Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)
Buena Vista	130.9	22,772	127.9	21,506	81.4	9,096	64	44	42.5	5,589	37.3	5,057	31.6	4,119
Cherokee	127.5	18,999	124.9	18,552	89.9	7,441	168	101	43.3	4,038	39.0	3,939	36.8	3,589
Clay	135.7	21,850	111.1	17,602	84.4	7,734	98	54	37.9	4,637	34.5	4,438	34.1	4,092
Dickinson	135.0	14,044	115.9	11,084	84.6	4,906	65	38	38.5	3,067	34.4	2,688	33.2	2,417
Emmet	138.0	16,145	122.5	13,551	89.1	6,938	62	53	38.0	3,576	37.5	3,435	36.4	3,043
Lyon	109.1	17,786	103.5	15,740	85.6	9,232	186	168	38.1	3,994	36.4	4,062	34.8	3,891
O'Brien	136.4	22,511	115.7	18,137	95.7	10,532	99	70	41.7	5,348	35.6	4,786	35.7	4,725
Osceola	121.0	13,674	121.3	12,951	88.8	5,719	100	58	37.0	3,596	37.4	3,679	34.4	3,241
Palo Alto	140.5	23,744	123.2	20,099	87.6	9,075	45	45	37.6	5,287	37.7	5,167	33.0	4,212
Plymouth	98.5	22,938	109.4	25,724	80.2	13,089	194	103	37.7	4,560	37.8	4,907	33.2	3,816
Pocahontas	143.3	24,937	131.9	22,588	83.4	8,187	35	35	39.3	5,920	39.2	5,840	31.8	4,541
Sioux	123.4	29,750	109.7	24,983	90.5	12,650	359	210	43.1	4,385	38.8	4,302	36.1	4,064
N.W. District	126.9	249,150	117.5	222,487	86.5	104,599	1,475	979	39.6	53,997	37.2	52,300	34.1	45,750
Butler	131.0	22,801	124.3	20,283	104.5	11,014	65	38	38.5	4,371	36.4	3,885	35.9	3,683
Cerro Gordo	131.4	21,543	123.7	20,930	109.3	12,469	29	21	33.5	3,682	38.1	4,560	35.8	3,896
Floyd	131.8	17,534	118.0	15,895	97.3	7,455	42	30	33.8	3,567	33.7	3,696	34.9	3,693
Franklin	137.3	25,682	126.7	22,991	108.1	11,307	50	29	34.9	4,036	38.1	4,625	37.2	4,453
Hancock	142.1	24,303	122.5	21,180	99.6	9,801	73	48	36.8	4,479	37.3	4,827	35.5	4,530
Humbolt	144.0	18,864	130.1	16,661	98.2	7,648	60	27	42.7	4,616	39.5	4,649	35.0	3,896
Kossuth	136.8	38,162	131.0	36,667	98.3	18,056	88	47	35.3	8,473	38.2	9,531	36.4	9,089
Mitchell	126.8	15,971	119.7	15,210	96.0	7,803	157	127	34.8	3,060	34.1	3,045	35.3	2,890
Winnebago	130.5	16,830	124.5	14,737	98.0	7,622	28	14	27.1	2,440	35.9	3,306	33.5	2,878
Worth	119.4	13,967	127.3	14,088	102.9	7,602	58	25	27.1	2,305	35.5	3,255	35.5	3,012
Wright	142.0	26,413	125.8	20,561	101.6	10,604	31	24	41.2	6,429	38.6	6,221	35.4	5,392
N.C. District	134.7	242,070	125.3	219,203	101.4	111,381	681	430	35.6	47,458	37.2	51,600	35.6	47,412
Allamakee	127.8	10,738	125.9	10,987	109.6	5,818	108	129	37.6	139	32.9	135	34.4	124
Black Hawk	136.3	21,257	130.0	18,025	111.0	11,363	59	73	42.3	3,930	38.1	3,708	38.3	3,168
Bremer	138.0	18,216	128.8	14,927	113.6	7,373	74	51	35.1	2,201	37.5	2,545	36.9	2,474
Buchanan	135.3	24,356	131.9	23,274	100.3	13,082	54	48	40.3	3,527	38.0	3,045	35.0	2,540
Chickasaw	135.3	17,323	119.0	15,720	97.2	7,698	119	128	28.8	2,232	33.5	2,480	33.5	2,374
Clayton	135.4	21,118	124.8	20,009	106.6	12,109	114	116	43.5	300	38.0	213	32.0	160
Delaware	134.3	24,302	132.7	23,002	89.0	10,676	140	192	40.5	1,329	38.7	1,010	31.5	740
Dubuque	133.4	17,469	133.5	17,434	95.6	8,917	163	172	46.8	117	39.0	82	32.7	72
Fayette	132.9	26,450	118.3	21,587	106.7	12,532	181	157	37.7	3,148	35.1	2,693	35.3	2,652
Howard	131.7	15,666	105.7	10,966	95.7	7,193	101	86	38.0	2,590	31.5	2,279	32.5	2,308
Winneshiek	125.1	18,636	110.9	15,331	107.3	9,388	247	202	37.7	742	33.0	610	33.9	621
N.E. District	133.5	215,531	124.3	191,262	102.4	106,149	1,360	1,354	37.6	20,255	35.8	18,800	35.0	17,233
Audubon	121.2	15,756	116.1	14,237	89.9	7,647	89	67	44.3	2,424	36.7	2,201	35.8	2,229
Calhoun	139.3	22,005	127.1	19,999	101.5	10,403	51	39	41.1	5,896	37.8	5,204	35.4	4,688
Carroll	125.7	20,610	115.0	18,376	88.1	8,944	236	168	43.1	4,696	38.4	3,947	35.0	3,629
Crawford	98.0	16,002	111.0	18,057	80.2	9,168	93	73	40.1	3,566	38.7	3,897	34.7	3,169
Greene	138.0	22,908	129.3	19,149	104.8	8,823	66	43	45.5	6,129	39.8	5,194	38.5	4,918
Guthrie	124.4	14,425	114.3	12,952	84.7	6,397	59	50	41.8	2,892	35.9	2,883	34.2	2,644
Harrison	94.4	16,149	109.6	18,131	87.1	8,474	70	55	40.0	4,596	37.4	4,204	31.4	3,178
Ida	102.4	12,906	118.8	14,654	92.8	7,506	68	41	39.2	2,405	38.2	2,568	34.5	2,353
Monona	95.0	16,442	107.1	18,900	75.0	8,790	86	58	35.8	3,471	37.5	4,123	25.4	2,556
Sac	124.1	20,354	115.9	18,434	85.2	9,410	135	90	41.7	4,866	37.5	4,287	33.5	3,434
Shelby	102.5	18,646	121.5	21,356	81.5	8,419	99	83	43.7	3,314	38.5	3,241	35.2	2,977
Woodbury	92.7	23,914	111.2	29,467	75.3	11,501	135	60	37.2	3,500	38.6	3,551	26.7	2,100
W.C. District	111.2	220,117	116.0	223,712	86.1	105,482	1,187	827	41.2	47,755	38.0	45,300	33.5	37,875
Boone	117.7	17,772	128.5	19,238	111.5	10,221	29	18	42.0	5,226	39.6	4,933	40.5	5,135
Dallas	133.7	20,716	126.0	18,692	89.1	8,650	34	22	46.2	5,210	39.0	4,815	34.9	4,150
Grundy	125.6	19,586	129.0	19,773	118.0	11,139	127	82	43.1	4,383	40.0	4,308	43.0	4,050
Hamilton	142.3	24,331	127.3	20,375	104.5	10,134	20	17	43.4	6,265	38.2	5,706	36.3	5,045
Hardin	132.3	22,753	126.8	21,742	116.4	14,183	47	48	41.9	4,601	37.6	4,086	39.5	4,104
Jasper	125.5	21,715	123.6	20,413	82.7	9,887	64	44	44.7	3,947	38.2	3,448	38.5	3,590
Marshall	128.1	20,618	126.9	19,625	109.9	10,550	48	32	46.7	4,073	39.3	3,436	42.8	3,629
Polk	132.4	15,226	122.5	12,458	93.6	6,644	13	12	44.0	4,078	38.3	3,578	36.1	2,870
Poweshiek	125.4	17,550	121.2	17,339	76.1	6,221	31	46	45.8	3,272	37.8	2,727	36.6	2,510
Story	123.8	20,308	128.5	18,873	114.4	9,960	43	33	44.2	5,945	38.3	5,327	38.6	4,628
Tama	133.4	23,470	127.5	23,342	108.8	11,866	42	26	44.2	4,632	37.5	4,184	40.1	4,170
Webster	143.2	26,777	129.9	22,803	111.0	13,808	30	20	45.0	7,851	39.6	7,252	37.0	6,637
C. District	130.6	250,822	126.6	234,673	103.5	123,263	528	400	44.2	59,483	38.7	53,800	38.5	50,158

Corn and soybeans harvested (continued)

County & District	Corn						Corn for Silage		Soybeans					
	1981		1982r		1983		1982r	1983	1981		1982r		1983	
	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	(000's of Tons)		Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)	Yield (bu./A)	Production (000 bu.)
Benton	127.3	22,396	129.3	22,697	90.9	10,242	91	93	42.0	4,869	41.3	5,211	37.4	4,438
Cedar	143.9	25,614	139.9	24,480	90.9	10,450	68	59	46.9	3,597	43.0	3,146	39.2	2,617
Clinton	137.2	28,396	132.0	27,462	88.0	12,956	151	105	45.9	3,197	42.2	2,963	36.2	2,342
Iowa	129.8	20,643	118.4	18,409	69.3	6,389	68	52	44.9	1,966	37.7	1,740	33.2	1,361
Jackson	132.7	16,589	124.0	15,333	77.2	5,960	96	117	43.7	393	41.3	343	36.3	298
Johnson	122.4	18,481	122.9	17,765	76.8	8,229	57	53	42.4	2,296	37.1	1,980	32.4	1,716
Jones	136.2	20,161	133.7	20,361	89.0	9,045	117	123	45.0	1,862	41.5	1,796	34.6	1,421
Linn	132.8	20,444	131.3	19,905	77.5	8,300	55	73	43.6	4,218	41.2	4,220	32.5	3,162
Muscatine	136.3	14,306	131.5	13,588	91.2	6,475	44	47	44.2	2,191	39.0	1,982	34.4	1,663
Scott	141.1	20,316	128.2	18,510	97.5	11,188	81	42	44.9	1,667	42.6	1,619	40.6	1,494
E.C. District	134.0	207,346	129.4	198,510	85.3	89,234	828	764	44.2	26,256	40.8	25,000	35.6	20,512
Adair	123.5	14,820	101.4	11,942	77.7	5,308	22	41	43.1	2,675	35.1	2,103	34.3	2,111
Adams	116.9	9,232	101.7	7,269	60.4	3,070	60	35	42.5	1,720	29.8	1,387	26.2	1,259
Cass	123.8	16,958	118.8	15,899	91.7	7,404	92	104	43.7	3,097	34.6	2,555	34.4	2,389
Fremont	120.9	13,660	92.1	9,080	85.6	6,353	27	18	43.3	4,668	32.4	3,601	34.7	3,504
Mills	120.5	12,652	101.5	10,461	90.0	5,184	72	46	40.7	3,135	33.3	2,807	33.4	2,600
Montgomery	118.3	11,355	96.4	8,274	82.6	5,285	38	28	39.4	2,799	33.1	2,469	27.6	1,833
Page	117.3	12,790	94.1	8,775	73.3	5,162	50	41	40.1	3,741	29.9	2,570	30.9	2,389
Pottawattamie	112.5	27,008	114.3	25,044	85.4	11,783	152	79	42.7	6,159	37.0	5,610	34.5	4,722
Taylor	119.4	9,912	82.2	6,071	44.8	2,464	32	14	40.7	2,575	28.8	1,898	22.2	1,506
S.W. District	118.7	128,387	103.1	102,815	78.9	52,013	545	406	41.9	30,569	33.2	25,000	31.6	22,313
Appanoose	112.7	4,619	75.6	2,660	18.9	336	27	40	32.4	1,159	28.0	1,067	19.2	642
Clarke	118.1	6,142	85.4	4,413	26.8	813	9	34	39.5	1,125	29.8	985	20.3	687
Decatur	113.4	6,234	95.3	4,735	27.8	850	90	55	41.2	1,460	29.7	1,071	16.0	549
Lucas	124.9	5,995	83.6	3,194	32.9	774	48	54	40.9	941	28.0	678	24.3	614
Madison	127.0	11,336	103.8	7,994	72.5	4,095	38	46	42.7	2,461	33.3	2,075	30.2	1,653
Marion	130.1	11,838	108.2	8,471	60.3	3,079	67	64	41.1	2,240	33.0	1,883	31.6	1,924
Monroe	109.6	3,944	69.5	2,309	29.5	651	25	42	36.6	835	28.0	664	22.8	562
Ringgold	120.6	7,597	87.5	4,569	45.2	1,351	61	70	41.3	2,105	28.0	1,630	20.7	1,079
Union	123.8	7,797	93.9	4,993	63.3	2,468	17	17	41.5	1,194	28.0	924	26.7	907
Warren	130.7	12,413	106.4	8,088	59.5	3,013	53	69	42.4	2,250	29.1	1,721	30.4	1,601
Wayne	112.8	8,234	78.5	5,673	22.4	753	15	65	31.6	1,787	28.0	1,602	17.3	920
S.C. District	121.9	86,149	92.5	57,099	47.2	18,183	450	556	39.3	17,557	29.7	14,300	24.3	11,138
Davis	106.6	6,606	95.7	4,784	21.3	668	33	53	34.5	1,558	28.5	1,135	17.4	685
Des Moines	135.3	12,851	135.8	12,137	67.5	4,351	23	20	42.7	2,293	41.3	2,100	34.8	1,575
Henry	131.7	15,150	126.0	13,657	47.0	3,511	15	27	44.0	2,211	40.8	2,254	30.7	1,765
Jefferson	126.6	9,872	117.8	9,023	32.1	1,568	21	28	39.3	2,335	33.1	1,988	25.3	1,449
Keokuk	129.4	18,117	123.1	14,837	38.8	3,134	63	49	45.8	3,134	39.9	2,656	30.0	1,809
Lee	122.5	10,416	130.3	11,296	40.6	2,193	55	88	41.1	2,558	40.5	2,623	27.4	1,609
Louisa	138.6	13,860	130.6	13,069	63.4	4,461	11	16	46.0	2,310	41.0	2,645	30.6	1,773
Mahaska	127.4	17,193	121.1	15,858	49.8	4,755	88	94	44.5	3,428	39.1	3,055	33.5	2,571
Van Buren	110.4	7,064	106.6	6,303	30.0	1,022	25	40	33.0	1,516	32.1	1,514	24.0	1,153
Wapello	135.7	8,818	118.5	7,088	32.5	1,155	9	33	40.3	2,136	32.7	1,706	25.7	1,260
Washington	136.8	20,381	129.1	20,187	60.9	6,728	29	76	47.0	3,266	42.7	3,024	35.0	2,240
S.E. District	129.0	140,328	123.5	128,239	47.9	33,546	372	524	42.1	26,745	38.0	24,700	29.1	17,889
State	127.0	1,739,900	120.0	1,578,000	87.0	743,850	7,426	6,240	40.5	330,075	37.0	310,800	34.0	270,640

r = Revised figures.
Source: Iowa Crop and Livestock Reporting Service.

Hogs, and grain-fed cattle marketed, cows and heifers that have calved

	Hogs Marketed (000)			Grain Fed Cattle Marketed (000)			Milk Cows (000)			Beef Cows (000)		
	1981	1982r	1983	1981	1982r	1983	1982	1983r	1984	1982	1983r	1984
Buena Vista	355.0	360.0	345.0	29.7	26.0	26.8	.9	.9	.9	10.3	9.1	8.6
Cherokee	295.0	285.0	305.0	75.0	64.0	67.0	2.3	2.4	2.4	20.5	18.1	17.3
Clay	195.0	180.0	195.0	31.5	30.0	31.2	.8	.8	.8	13.6	11.7	11.2
Dickinson	125.0	120.0	125.0	25.0	23.9	22.8	.7	.7	.7	8.4	7.3	7.0
Emmet	135.0	135.0	125.0	22.9	19.3	20.2	.5	.5	.5	9.5	8.4	8.0
Lyon	350.0	360.0	335.0	65.0	66.0	63.0	7.4	7.4	7.3	20.2	17.7	16.9
O'Brien	290.0	290.0	290.0	75.0	76.0	79.0	2.8	2.9	2.9	9.3	9.4	8.9
Osceola	175.0	165.0	175.0	37.0	33.1	31.3	2.6	2.7	2.7	4.9	4.2	4.0
Palo Alto	245.0	230.0	245.0	22.5	20.9	20.5	.9	.9	.9	7.2	6.2	5.9
Plymouth	565.0	540.0	524.0	75.0	75.0	78.0	4.1	4.2	4.2	26.2	23.1	22.0
Pocahontas	220.0	215.0	220.0	22.3	18.8	18.2	.6	.6	.6	3.6	3.2	3.1
Sioux	650.0	658.0	635.0	214.1	192.0	182.0	13.4	14.0	13.8	11.3	11.6	11.1
N.W. District	3,600.0	3,538.0	3,519.0	695.0	645.0	640.0	37.0	38.0	37.7	145.0	130.0	124.0
Butler	315.0	310.0	315.0	16.5	13.9	14.5	5.5	5.5	5.4	10.2	9.1	8.5
Cerro Gordo	240.0	225.0	220.0	12.6	10.6	11.1	1.2	1.1	1.1	7.8	6.9	6.4
Floyd	180.0	170.0	175.0	11.7	9.9	10.3	2.1	2.2	2.2	8.3	7.1	6.6
Franklin	324.0	300.0	315.0	25.8	21.7	22.7	1.6	1.5	1.5	9.4	8.4	7.9
Hancock	290.0	310.0	300.0	16.3	13.7	14.3	1.9	1.9	1.9	5.5	5.6	5.3
Humboldt	165.0	165.0	155.0	17.6	14.8	15.5	.8	.8	.8	2.6	2.6	2.4
Kossuth	475.0	500.0	485.0	38.0	33.0	31.6	2.8	2.9	2.9	9.2	8.2	7.7
Mitchell	275.0	255.0	235.0	24.0	22.0	21.3	5.2	5.3	5.2	7.1	6.4	6.0
Winnebago	150.0	160.0	160.0	5.4	5.0	4.9	1.5	1.5	1.6	2.2	2.3	2.2
Worth	120.0	125.0	125.0	7.7	6.5	6.3	1.7	1.6	1.6	3.6	3.7	3.5
Wright	190.0	180.0	190.0	14.4	12.9	13.5	.7	.7	.7	4.1	3.7	3.5
N.C. District	2,724.0	2,700.0	2,675.0	190.0	164.0	166.0	25.0	25.0	24.9	70.0	64.0	60.0
Allamakee	165.0	160.0	160.0	11.0	10.6	10.9	24.0	24.2	23.8	32.5	29.5	27.9
Black Hawk	190.0	190.0	190.0	16.7	16.3	17.1	5.0	5.0	4.9	7.3	7.0	6.5
Bremer	155.0	155.0	145.0	10.1	9.2	9.6	11.5	11.0	11.0	5.5	5.0	4.7
Buchanan	325.0	330.0	295.0	17.6	15.9	16.6	8.1	8.1	7.9	13.1	12.7	11.9
Chickasaw	200.0	200.0	195.0	14.8	14.4	13.7	5.9	5.9	6.5	11.0	9.4	8.8
Clayton	380.0	355.0	360.0	16.6	15.8	16.4	32.0	31.7	31.2	28.6	24.5	23.1
Delaware	585.0	570.0	545.0	19.2	18.8	19.6	24.4	23.3	23.6	11.6	11.0	10.3
Dubuque	395.0	370.0	355.0	31.9	29.2	30.4	36.7	35.9	35.3	22.2	19.3	18.2
Fayette	355.0	340.0	320.0	25.9	25.8	26.0	24.6	24.6	24.2	18.0	17.0	16.0
Howard	130.0	125.0	125.0	9.9	8.6	8.5	10.4	10.3	10.4	14.3	12.5	11.8
Winneshiek	270.0	255.0	260.0	21.3	20.4	19.2	31.0	31.0	30.6	26.0	22.1	20.8
N.E. District	3,150.0	3,050.0	2,950.0	195.0	185.0	188.0	214.0	211.0	209.4	190.0	170.0	160.0
Audubon	290.0	275.0	275.0	39.6	35.4	36.8	1.5	1.5	1.5	17.7	18.4	17.1
Calhoun	210.0	225.0	210.0	32.4	27.3	28.4	.4	.4	.4	9.1	8.4	7.8
Carroll	420.0	415.0	420.0	105.0	94.8	98.6	1.9	1.9	1.9	14.7	14.4	13.4
Crawford	350.0	330.0	340.0	50.0	49.0	51.0	2.9	2.9	2.8	31.1	27.1	25.1
Greene	215.0	225.0	210.0	25.3	24.3	23.4	.2	.2	.2	15.2	13.3	12.4
Guthrie	150.0	155.0	150.0	18.0	17.5	18.3	1.2	1.2	1.2	26.3	24.5	22.8
Harrison	140.0	140.0	130.0	12.6	12.2	12.8	1.4	1.4	1.4	18.6	18.9	17.6
Ida	225.0	220.0	205.0	55.0	46.2	42.1	1.5	1.5	1.5	14.7	14.3	13.3
Monona	125.0	120.0	115.0	29.2	28.2	26.0	.7	.7	.7	15.1	13.4	12.5
Sac	345.0	330.0	325.0	70.0	61.0	61.0	1.9	1.9	1.9	16.5	14.4	13.4
Shelby	355.0	350.0	330.0	42.9	38.1	39.7	1.6	1.6	1.6	21.8	20.1	18.7
Woodbury	325.0	315.0	290.0	85.0	78.0	71.9	1.8	1.8	1.8	29.2	27.8	25.9
W.C. District	3,150.0	3,100.0	3,000.0	565.0	512.0	510.0	17.0	17.0	16.9	230.0	215.0	200.0
Boone	210.0	225.0	210.0	25.6	21.6	22.4	.6	.6	.6	10.2	8.3	7.8
Dallas	150.0	145.0	140.0	21.8	21.2	22.1	.4	.4	.4	14.2	12.0	11.2
Grundy	240.0	235.0	230.0	39.4	39.0	39.8	2.2	2.3	2.3	9.3	7.9	7.5
Hamilton	285.0	265.0	255.0	24.3	20.5	19.9	.4	.4	.4	3.8	3.2	2.9
Hardin	315.0	290.0	260.0	47.7	46.5	48.4	.8	.8	.8	13.6	12.0	11.2
Jasper	370.0	345.0	340.0	32.4	32.0	33.3	3.2	3.3	3.2	26.1	26.9	25.2
Marshall	170.0	180.0	160.0	23.8	23.2	22.3	.8	.8	.8	20.6	17.0	15.9
Polk	70.0	70.0	65.0	7.1	7.0	7.3	.6	.6	.6	7.6	6.7	6.3
Poweshiek	225.0	230.0	225.0	18.4	18.7	19.4	1.9	1.9	1.9	28.8	26.0	24.3
Story	185.0	195.0	175.0	14.4	14.6	15.0	1.3	1.3	1.3	7.5	6.3	5.9
Tama	290.0	270.0	250.0	28.4	25.6	24.6	2.2	2.0	2.0	27.0	22.4	20.9
Webster	140.0	150.0	140.0	11.7	10.1	10.5	.6	.6	.6	6.3	6.3	5.9
C. District	2,650.0	2,600.0	2,450.0	295.0	280.0	285.0	15.0	15.0	14.9	175.0	155.0	145.0

Hogs and grain-fed cattle marketed; cows and heifers that have calved (continued)

	Hogs Marketed (000)			Grain Fed Cattle Marketed (000)			Milk Cows (000)			Beef Cows (000)		
	1981	1982r	1983	1981	1982r	1983	1982	1983r	1984	1982	1983r	1984
Benton	325.0	315.0	330.0	42.6	38.4	36.2	3.4	3.5	3.4	18.7	18.5	17.0
Cedar	410.0	395.0	365.0	24.3	23.4	23.8	2.6	2.7	2.6	16.6	14.0	12.8
Clinton	350.0	340.0	320.0	65.0	60.0	62.0	5.0	5.0	4.9	19.5	16.4	15.0
Iowa	340.0	355.0	335.0	28.6	26.8	27.0	2.4	2.5	2.5	33.0	26.8	24.6
Jackson	200.0	190.0	200.0	29.7	27.7	25.0	12.6	12.0	11.7	34.1	31.0	28.6
Johnson	380.0	365.0	375.0	17.6	14.8	13.4	3.7	3.4	3.3	26.6	21.7	20.0
Jones	335.0	325.0	335.0	32.4	27.3	27.5	6.4	6.7	6.4	22.2	21.7	19.9
Linn	215.0	210.0	195.0	15.9	14.4	14.7	4.8	4.4	4.8	16.6	14.5	13.3
Muscatine	170.0	170.0	165.0	12.0	11.1	11.4	2.0	1.9	1.9	12.6	11.7	10.8
Scott	275.0	285.0	280.0	21.9	21.1	19.0	3.1	2.9	3.0	10.1	8.7	8.0
E.C. District	3,000.0	2,950.0	2,900.0	290.0	265.0	260.0	46.0	45.0	44.5	210.0	185.0	170.0
Adair	235.0	230.0	210.0	22.0	22.4	23.5	1.9	1.9	1.8	36.5	33.1	30.5
Adams	135.0	130.0	120.0	9.8	9.9	9.2	.6	.6	.6	23.9	22.5	20.7
Cass	220.0	235.0	220.0	38.9	39.6	41.5	1.0	1.0	1.0	27.6	24.9	22.8
Fremont	75.0	75.0	80.0	23.5	23.9	22.2	.5	.5	.5	14.6	12.3	11.3
Mills	70.0	70.0	85.0	28.6	25.5	23.7	.3	.3	.3	20.4	9.7	8.9
Montgomery	135.0	145.0	135.0	22.0	21.4	22.4	.7	.7	.7	16.6	15.4	14.1
Page	190.0	195.0	180.0	23.1	21.1	20.0	.9	.9	.9	20.6	18.5	17.0
Pottawattamie	265.0	250.0	250.0	99.4	93.4	90.1	1.3	1.3	1.3	26.3	23.9	22.0
Taylor	125.0	120.0	120.0	7.7	7.8	7.4	.8	.8	.8	28.6	24.7	22.7
S.W. District	1,450.0	1,450.0	1,400.0	275.0	265.0	260.0	8.8	8.0	7.9	205.0	185.0	170.0
Appanoose	55.0	55.0	55.0	2.7	2.7	2.6	.8	.8	.8	30.6	27.0	24.7
Clarke	85.0	85.0	85.0	4.0	4.0	3.8	.6	.6	.6	24.1	25.0	22.8
Decatur	55.0	55.0	75.0	3.9	3.9	4.0	.8	.8	.8	31.1	32.1	29.3
Lucas	70.0	75.0	80.0	4.8	4.6	4.7	.7	.7	.7	21.8	23.4	21.4
Madison	170.0	160.0	160.0	10.7	10.7	10.4	1.1	1.1	1.1	29.7	29.5	27.0
Marion	260.0	250.0	260.0	12.6	12.2	11.6	2.6	2.6	2.5	20.2	18.6	17.0
Monroe	95.0	100.0	100.0	3.8	3.8	3.9	1.3	1.3	1.3	29.2	25.0	22.9
Ringgold	120.0	125.0	115.0	6.0	6.1	6.1	1.0	1.0	1.0	35.6	30.5	27.9
Union	105.0	100.0	100.0	8.0	7.5	7.6	.8	.8	.8	29.1	25.1	22.9
Warren	165.0	175.0	170.0	7.0	6.5	6.2	2.1	2.1	2.1	25.3	25.0	22.8
Wayne	70.0	70.0	75.0	6.5	6.0	6.1	1.2	1.2	1.2	33.3	28.8	26.3
S.C. District	1,250.0	1,250.0	1,275.0	70.0	68.0	67.0	13.0	13.0	12.9	310.0	290.0	265.0
Davis	75.0	75.0	70.0	3.2	3.2	3.3	2.9	2.9	2.8	28.8	24.4	22.3
Des Moines	100.0	95.0	90.0	9.0	9.1	8.2	.8	.8	.8	13.1	12.1	11.1
Henry	210.0	195.0	215.0	8.6	8.2	8.6	.5	.5	.5	13.6	12.5	11.5
Jefferson	150.0	145.0	140.0	7.7	7.5	7.8	.8	.8	.8	14.7	13.4	12.3
Keokuk	375.0	375.0	415.0	12.6	11.7	10.8	1.0	1.0	1.0	25.2	22.7	20.8
Lee	185.0	190.0	210.0	15.6	14.6	13.2	2.7	2.8	2.8	15.1	13.7	12.6
Louisa	120.0	120.0	115.0	7.7	7.3	7.6	.1	.1	.1	6.5	6.8	6.2
Mahaska	445.0	450.0	430.0	33.1	32.2	33.5	2.3	2.2	2.2	17.7	16.5	15.1
Van Buren	100.0	95.0	100.0	4.1	4.1	3.7	.9	.9	.9	24.2	21.9	20.1
Wapello	110.0	115.0	120.0	6.8	6.9	7.2	.8	.8	.8	21.7	18.3	16.8
Washington	480.0	495.0	495.0	16.6	14.2	13.1	1.2	1.2	1.2	19.4	17.7	16.2
S.E. District	2,350.0	2,350.0	2,400.0	125.0	119.0	117.0	14.0	14.0	13.9	200.0	180.0	165.0
State	23,324.0	22,988.0	22,569.0	2,700.0	2,503.0	2,493.0	389.0	386.0	383.0	1,735.0	1,574.0	1,459.0

*District data totals exceed state totals due to rounding to thousands of head.
r = Revised figures.
Source: Iowa Crop and Livestock Reporting Service.

Grain-fed sheep and lambs, hens and pullets

	Grain Fed Sheep and Lambs Marketed (000)			Hens and Pullets of Laying Age (000)		
	1981	1982[r]	1983[e]	1981	1982	1983[e]
Buena Vista	6.5	8.3	7.4	94.0	101.0	60.0
Cherokee	2.6	3.7	3.3	10.0	10.0	8.0
Clay	5.9	8.6	8.1	134.0	123.0	143.0
Dickinson	2.3	3.3	3.3	141.0	144.0	265.0
Emmet	.6	.8	.8	62.0	64.0	44.0
Lyon	7.2	9.4	9.4	50.0	46.0	32.0
O'Brien	3.0	3.9	3.8	62.0	64.0	80.0
Osceola	19.0	25.0	28.0	82.0	76.0	66.0
Palo Alto	3.5	4.5	4.2	140.0	141.0	129.0
Plymouth	2.4	3.3	3.0	71.0	71.0	66.0
Pocahontas	3.6	5.2	4.8	183.0	193.0	120.0
Sioux	1.4	2.0	1.9	531.0	562.0	520.0
Northwest District	58.0	78.0	78.0	1,560.0	1,595.0	1,533.0
Butler	1.1	1.5	1.4	175.0	176.0	140.0
Cerro Gordo	1.4	2.0	2.0	104.0	119.0	104.0
Floyd	1.6	2.2	2.1	70.0	63.0	55.0
Franklin	6.1	8.6	8.2	270.0	270.0	240.0
Hancock	3.7	4.8	4.8	70.0	82.0	50.0
Humboldt	1.7	2.3	2.2	29.0	27.0	20.0
Kossuth	2.4	3.5	3.4	281.0	279.0	200.0
Mitchell	2.1	2.7	2.6	408.0	370.0	300.0
Winnebago	1.1	1.5	1.5	29.0	27.0	25.0
Worth	1.3	1.8	1.8	25.0	23.0	22.0
Wright	1.5	2.1	2.0	36.0	32.0	30.0
North Central District	24.0	33.0	32.0	1,468.0	1,453.0	1,201.0
Allamakee	.6	.8	.7	37.0	35.0	29.0
Black Hawk	1.2	1.7	1.5	94.0	87.0	61.0
Bremer	1.6	2.2	1.9	70.0	74.0	50.0
Buchanan	1.8	2.5	2.2	70.0	70.0	66.0
Chickasaw	.6	.8	.7	89.0	91.0	85.0
Clayton	1.5	2.1	1.9	150.0	145.0	100.0
Delaware	.5	.7	.7	75.0	70.0	62.0
Dubuque	.7	1.0	.9	47.0	49.0	40.0
Fayette	1.2	1.7	1.5	260.0	253.0	175.0
Howard	1.2	1.7	1.5	66.0	69.0	50.0
Winneshiek	2.1	2.8	2.5	170.0	175.0	130.0
Northeast District	13.0	18.0	16.0	1,128.0	1,118.0	848.0
Audubon	3.9	5.2	4.4	78.0	70.0	59.0
Calhoun	5.0	6.3	5.3	67.0	68.7	63.0
Carroll	1.0	1.4	1.2	17.0	16.0	13.0
Crawford	4.2	5.3	5.3	110.0	98.0	63.0
Greene	4.8	6.3	4.5	5.7	5.1	4.0
Guthrie	1.9	2.6	2.2	84.0	76.0	76.0
Harrison	1.1	1.4	1.2	12.0	11.0	9.0
Ida	2.1	2.7	2.3	12.5	13.0	11.0
Monona	1.5	1.9	1.7	7.8	8.2	7.0
Sac	3.5	4.7	4.0	129.0	115.0	173.0
Shelby	1.7	2.3	2.0	24.0	22.0	40.0
Woodbury	5.3	6.9	5.9	11.0	11.0	7.0
West Central District	36.0	47.0	40.0	558.0	514.0	525.0
Boone	2.5	3.6	3.0	210.0	217.3	200.0
Dallas	.7	1.0	.9	155.0	164.0	125.0
Grundy	14.5	16.3	14.3	26.0	23.0	20.0
Hamilton	1.0	1.4	1.3	103.0	101.0	81.0
Hardin	1.0	1.4	1.2	102.0	107.0	122.0
Jasper	2.1	3.0	2.5	56.0	50.0	40.0
Marshall	1.7	2.4	2.0	54.0	54.0	41.0
Polk	1.3	1.8	1.6	7.9	7.7	6.0
Poweshiek	2.1	2.9	2.4	55.0	49.0	37.0
Story	2.8	4.0	3.4	100.0	97.0	78.0
Tama	1.7	2.4	2.2	97.0	96.0	77.0
Webster	.6	.8	.7	992.1	940.0	1,025.0
Central District	32.0	41.0	35.5	1,958.0	1,906.0	1,852.0
Benton	2.2	2.8	2.5	34.0	30.0	27.0
Cedar	3.7	5.4	5.1	36.0	33.0	28.0
Clinton	1.1	1.6	1.5	44.0	45.0	38.0
Iowa	3.3	4.2	3.8	19.0	18.0	16.0
Jackson	.7	1.0	.9	54.0	56.0	68.0
Johnson	12.1	17.0	14.7	124.0	125.0	100.0
Jones	1.3	1.8	1.7	12.0	12.0	11.0
Linn	1.6	2.3	2.1	44.0	45.0	35.0
Muscatine	1.1	1.6	1.5	11.0	11.0	9.0
Scott	.9	1.3	1.2	69.0	61.0	62.0
East Central District	28.0	39.0	35.0	447.0	436.0	394.0
Adair	4.5	6.3	5.5	9.8	10.0	9.0
Adams	1.4	2.0	1.8	5.2	4.7	4.4
Cass	5.7	7.7	6.6	6.3	6.6	6.1
Fremont	.3	.4	.4	1.9	2.0	1.9
Mills	.5	.7	.7	2.7	2.5	2.3
Montgomery	1.9	2.7	2.5	6.4	6.7	6.2
Page	.9	1.3	1.2	6.7	6.7	6.1
Pottawattamie	1.9	2.7	2.5	41.0	43.0	35.0
Taylor	2.9	4.2	3.8	44.0	42.8	33.0
Southwest District	20.0	28.0	25.0	124.0	125.0	104.0
Appanoose	3.2	4.6	4.0	2.5	2.5	2.0
Clarke	1.0	1.1	1.0	4.0	3.8	3.3
Decatur	1.0	1.4	1.3	2.5	2.5	2.3
Lucas	4.1	5.9	5.2	41.0	43.0	43.0
Madison	2.0	2.7	2.4	22.0	22.0	18.0
Marion	5.4	7.3	6.5	71.0	69.0	92.0
Monroe	3.1	4.5	3.9	14.0	14.0	13.0
Ringgold	1.3	1.8	1.6	12.0	11.0	9.1
Union	1.0	1.4	1.3	2.2	2.0	1.6
Warren	1.2	1.6	1.4	95.0	95.0	76.0
Wayne	1.9	2.7	2.4	9.8	9.2	7.7
South Central District	25.0	35.0	31.0	276.0	274.0	268.0
Davis	7.2	10.0	8.5	68.0	69.0	93.0
Des Moines	1.0	1.4	1.2	30.0	27.0	21.0
Henry	5.1	7.4	6.1	74.0	74.0	60.0
Jefferson	2.8	4.0	3.5	7.0	6.9	5.5
Keokuk	7.5	11.0	9.3	87.0	88.0	65.0
Lee	2.3	3.3	2.9	10.1	8.9	7.0
Louisa	.8	1.1	.9	3.3	3.0	2.5
Mahaska	1.9	2.4	2.1	175.0	182.0	158.0
Van Buren	2.1	2.7	2.4	6.6	5.9	5.0
Wapello	1.1	1.6	1.4	110.0	105.0	100.0
Washington	4.2	6.1	5.2	210.0	209.3	358.0
Southeast District	36.0	51.0	43.5	781.0	779.0	875.0
State	272.0	370.0	336.0	8,300.0	8,200.0	7,600.0

r = Revised.
e = Estimates.
Source: Iowa Crop and Livestock Reporting Service.

Climate

Iowa's four distinct seasons provide a climate that is classified as humid continental. Temperatures vary through a wide range, arriving at an annual average of 49 degrees. A typical year brings 166 days of sunshine, 100 partly cloudy days and 99 cloudy days. Since much of the average 32 inches of rainfall comes during the growing season, Iowa's climate is ideal for agriculture. Winter snowfall averages 30 inches, and relative humidity averages 72 percent.

Clean air and clean water have been maintained in abundance in the state, with enforcement of pollution laws assuring their existence in the future.

Located between the Upper Mississippi and the Missouri Rivers, the State of Iowa comprises 56,000 square miles with an extreme north-south distance of 205 miles and an extreme east-west distance of 310 miles. Primarily rolling prairie, elevation changes are small across the State, varying from 1670 feet in Osceola County in the northwest to 480 feet at the mouth of the Des Moines River in the southeast. Some rugged terrain, mainly of forest soils, may be found in the northeast, yet most of the state's natural lakes are located in the northwest.

Source: U.S. Department of Commerce, Environmental Science Services Administration, Climates of the States—Iowa.

Mean temperature and total precipitation

Mean Average Temperature

City	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	26.9	50.0	74.4	53.6
Carroll	22.9	47.8	72.9	51.4
Cedar Rapids	24.3	48.3	72.7	51.9
Council Bluffs	27.3	48.9	73.2	52.1
Creston	25.4	49.0	73.5	52.5
Davenport	26.4	49.1	74.5	54.0
Decorah	20.4	45.7	71.5	49.6
Des Moines	23.5	49.4	75.0	52.7
Dubuque	23.9	47.7	72.2	52.0
Fort Dodge	21.8	47.1	72.4	50.8
Mason City	19.3	45.0	70.8	48.9
Ottumwa	27.0	50.7	75.0	52.5
Rock Rapids	19 5	45.9	71.8	49.0
Sioux City	22.0	47.8	74.6	51.9
Spencer	19.1	45.4	71.4	48.9
Waterloo	20.8	46.4	71.9	49.8
State of IOWA	21.3	48.1	72.9	51.8

Source: U.S. Department of Commerce, Weather Bureau, Climatic Summary of the United States—Iowa.

Mean Average Precipitation

City	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	1.54	3.39	4.01	2.59
Carroll	.98	2.30	4.01	1.97
Cedar Rapids	1.30	3.97	3.90	2.77
Council Bluffs	.85	2.98	4.86	1.90
Creston	.92	2.84	4.00	2.39
Davenport	1.53	3.15	3.87	2.74
Decorah	1.08	2.93	4.12	2.64
Des Moines	1.18	2.90	3.81	2.22
Dubuque	1.71	3.35	3.82	3.02
Fort Dodge	1.03	2.74	4.09	2.21
Mason City	.88	2.64	4.27	2.22
Ottumwa	1.31	3.14	4.19	2.51
Rock Rapids	.69	2.55	3.85	1.78
Sioux City	.80	2.31	3.37	1.77
Spencer	.82	2.55	3.99	1.95
Waterloo	1.07	2.83	4.01	2.58
State of IOWA	1.00	2.91	4.10	2.03

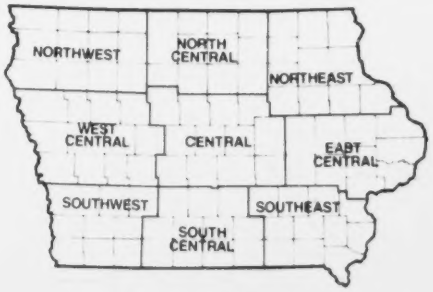
Source: U.S. Department of Commerce, Environmental Science Services Administration, "Climates of the States—Iowa."

Wind chill table

	AIR TEMPERATURE (°F)																
	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
WIND SPEED MPH	WIND CHILL INDEX (EQUIVALENT TEMPERATURE) — Equivalent in cooling power on exposed flesh																
4	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	16	12	7	1	-6	-11	-15	-20	-26	-31	-35	-41	-47	-54
	COLD																
10	21	16	9	2	-2	-9	-15	-22	-27	-31	-38	-45	-52	-58	-64	-70	-77
	VERY COLD																
15	16	11	1	-6	-11	-18	-25	-33	-40	-45	-51	-60	-65	-70	-78	-85	-90
	BITTERLY COLD																
20	12	3	-4	-9	-17	-24	-32	-40	-46	-52	-60	-68	-76	-83	-88	-96	-103
25	7	0	-7	-15	-22	-29	-37	-45	-52	-58	-67	-75	-83	-89	-96	-104	-112
	EXTREME COLD																
30	5	-2	-11	-18	-26	-33	-41	-49	-56	-63	-70	-78	-87	-94	-101	-109	-117
35	3	-4	-13	-20	-27	-35	-43	-52	-60	-67	-72	-83	-90	-98	-105	-113	-123
40	1	-4	-15	-22	-29	-36	-45	-54	-62	-69	-76	-87	-94	-101	-107	-116	-128
45	1	-6	-17	-24	-31	-38	-46	-54	-63	-70	-78	-87	-94	-101	-108	-118	-128
50	0	-7	-17	-24	-31	-38	-47	-56	-63	-70	-79	-88	-96	-103	-110	-120	-128

Wind speeds greater than 40 mph have little additional chilling effect.
Source: "Winds Over Iowa", Iowa Department of Agriculture, State Climatology Office.

Climate, annual averages



(1931-1980)

PRECIPITATION	J	F	M	A	M	J	J	A	S	O	N	D	Annual
Northwest	.64	.89	1.65	2.33	4.42	3.59	3.51	3.67	3.05	1.74	1.15	.81	27.45
North Central	.95	.94	1.96	2.64	3.93	4.80	3.85	3.99	3.44	2.06	1.57	1.03	31.16
Northeast	1.08	.99	2.13	2.97	3.92	4.68	4.04	3.89	3.68	2.25	1.83	1.23	32.69
West Central	.87	.96	1.84	2.63	3.87	4.60	3.51	3.76	3.14	1.98	1.33	.85	29.34
Central	1.06	1.02	2.07	2.91	4.10	4.92	3.71	3.90	3.40	2.21	1.68	1.10	32.08
East Central	1.36	1.07	2.30	3.27	3.90	4.59	3.80	3.73	3.68	2.40	2.06	1.55	33.71
Southwest	.91	.96	2.03	2.87	4.04	4.89	3.68	4.40	3.74	2.37	1.57	.96	32.42
South Central	1.17	1.01	2.22	3.23	3.97	4.85	3.48	4.19	3.85	2.45	1.85	1.22	33.49
Southeast	1.45	1.11	2.47	3.46	3.91	4.60	3.83	3.90	3.76	2.60	1.98	1.01	34.68

TOTAL SNOWFALL (Inches)	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	5.7	7.8	8.8	1.6	0.2	0	0	0	T	0.3	3.9	6.6	34.7
North Central	7.0	7.4	10.6	1.4	0.1	0	0	0	0.1	T	3.5	7.9	38.0
Northeast	7.7	6.2	9.4	0.8	0.1	0	0	0	T	T	2.5	8.2	34.9
West Central	6.8	6.4	8.6	1.3	0.2	0	0	0	T	0.2	3.1	5.9	32.5
Central	6.9	6.6	8.2	0.8	0.1	0	0	0	T	0.1	2.1	6.5	31.3
East Central	7.3	6.0	7.3	0.7	T	0	0	0	T	0.1	1.4	7.4	30.2
Southwest	6.0	5.5	6.7	0.9	0.1	0	0	0	T	0.1	2.0	5.5	26.8
South Central	7.0	5.2	6.6	0.7	T	0	0	0	T	0.1	1.5	6.2	27.3
Southeast	7.1	5.2	6.2	0.4	T	0	0	0	T	0.1	1.2	6.4	26.6

TEMPERATURE (F degrees)	J	F	M	A	M	J	J	A	S	O	N	D	Annual
Northwest	15.2	20.3	31.7	47.3	59.5	69.1	73.9	71.6	62.5	51.3	34.4	21.6	46.5
North Central	15.2	20.0	31.4	47.0	59.3	69.0	73.3	70.9	62.3	51.4	34.7	21.4	46.3
Northeast	16.6	21.0	32.2	47.2	58.9	68.6	72.9	70.7	62.3	51.4	35.6	22.5	46.7
West Central	18.7	23.7	34.7	49.7	61.2	70.6	75.4	73.0	64.3	53.4	37.0	24.8	48.9
Central	18.6	23.3	34.4	49.2	60.8	70.2	74.7	72.3	64.0	53.2	38.3	26.0	49.3
East Central	20.4	24.7	35.5	49.6	61.0	70.5	74.7	72.6	64.6	53.7	38.3	26.0	49.3
Southwest	21.7	26.8	37.5	51.6	62.3	71.7	76.6	74.2	65.8	55.0	39.2	27.6	50.8
South Central	21.9	26.6	37.1	51.1	61.9	71.2	76.1	73.8	65.6	55.0	39.4	27.6	50.6
Southeast	22.9	27.3	37.9	51.6	62.5	72.0	76.4	74.2	66.3	55.5	40.3	28.3	51.3

MEAN DEGREES DAYS	J	F	M	A	M	J	J	A	S	O	N	D	Annual
Northwest	1,590	1,251	1,058	534	229	49	12	21	155	451	917	1,363	7,630
North Central	1,592	1,257	1,062	541	229	47	15	24	146	445	906	1,363	7,627
Northeast	1,551	1,236	1,034	535	240	51	15	25	145	446	884	1,326	7,488
West Central	1,479	1,153	959	461	187	34	10	17	121	393	841	1,258	6,913
Central	1,489	1,174	974	478	198	41	8	19	122	406	838	1,269	7,016
East Central	1,432	1,132	929	455	188	29	4	11	94	376	795	1,218	6,663
Southwest	1,380	1,068	870	403	163	26	10	12	94	350	774	1,172	6,322
South Central	1,382	1,078	882	414	169	30	8	13	96	351	766	1,171	6,360
Southeast	1,358	1,062	862	398	161	23	3	10	75	334	740	1,146	6,172
State	1,479	1,163	965	473	198	37	10	17	119	398	834	1,260	6,953

T Trace.

Source: Iowa Department of Agriculture, State Climatology Office.

Communication Industry

Communications media

	1960	1965	1970	1980[2]	1981	1982	1983
Telephones in use[1]							
Business	243,406	284,000	381,747	143,503	N/A	N/A	N/A
Residential	892,627	1,044,000	1,242,500	N/A	N/A	N/A	N/A
Total	1,136,033	1,328,000	1,624,247	1,176,073	1,250,096	1,272,187	1,267,419
Newspapers[3]							
Daily—Number	45	43	43	42	42	41	43
Net paid circulation	944,000	969,000	1,000,000	934,390	952,285	924,363	1,064,419
Morning—Number	4	4	5	7	7	8	9
Net paid circulation	289,000	301,000	331,000	451,228	452,461	535,241	491,478
Evening—Number	42	41	40	35	35	33	32
Net paid circulation	655,000	668,000	669,000	483,162	499,824	389,122	357,570
Sunday—Number	9	9	9	9	9	9	9
Net paid circulation	831,000	857,000	845,000	745,039	743,019	747,256	745,343
Weeklies—Number	368	356	346	339	341	335	336
Net paid circulation	649,832	674,739	688,389	780,663	779,321	759,340	755,934
Commercial broadcast[4]							
Stations—Total	80	94	120	196	195	196	182
Radio—Total	68	82	108	174	173	174	168
A.M.	61	68	73	85	84	84	79
F.M.	7	14	35	89	89	90	89
Television	12	12	12	15	15	15	14
Satellite T.V. Stations				7	7	7	7

Non-Commercial broadcast[4]	
Stations	13
Radio	12
AM	4
FM	8
Television	1

Cable T.V.[5]	
Systems	197
Communities Served	285
Subscriptions	370,000

[1]Iowa Commerce Commission.
[2]Since private ownership of telephones began, only the number of access lines is available. A primary access line is a telephone line with an associated phone number.
[3]Iowa Press Association.
[4]Iowa Broadcasters Association Directory.
[5]Television Digest.
N/A = Not Available.

Iowa's construction industry, 1982

SIC Code	Industry Description	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	CONSTRUCTION INDUSTRIES, TOTAL	5,725	33,843	666,946
15	General contractors and operative builders	1,667	J	D
151	General building contractors	991	I	D
153	Operative builders	85	512	8,421
16	Heavy construction contractors	638	4,715	136,976
161	Highway and street construction	151	1,953	76,043
162	Heavy construction, except highway	479	2,719	60,197
17	Special trade contractors	3,419	18,812	342,219
171	Plumbing, heating, air conditioning	808	5,696	112,676
172	Painting, paper hanging, decorating	246	820	12,989
173	Electrical work	513	3,210	62,687
174	Masonry, stonework, plastering	372	2,225	40,303
1741	Masonry and other stonework	218	1,076	18,302
1742	Plastering, drywall and insulation	131	1,089	20,967
1743	Terrazzo, tile, marble mosaic work	17	53	975
175	Carpentering and flooring	388	1,288	16,062
1751	Carpentering	308	991	12,160
1752	Floor laying and floor work N.E.C.	70	270	3,702
176	Roofing and sheet metal work	240	1,774	28,436
177	Concrete work	212	747	13,598
178	Water well drilling	57	201	3,162
179	Miscellaneous special trade contractors	486	2,629	49,729
1791	Structural steel erection	29	297	7,049
1793	Glass and glazing work	25	174	3,076
1794	Excavating and foundation work	207	1,120	21,622
1796	Installing building equipment N.E.C.	38	337	7,690
3799	Special trade contractors N.E.C.	139	579	8,656

I: 5,000-9,999 employees.
J: 10,000-24,999 employees.
D: figures withheld to avoid disclosure of individual establishments.
N.E.C.: Not elsewhere classified.
Source: County Business Patterns, 1982. Bureau of the Census, U.S. Department of Commerce.

Value of new construction (thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Totals
1984	$ 47,294	$117,859	$158,235	$165,819	$198,095	$171,231	$163,300	$175,055	N/A	N/A	N/A	N/A	N/A
1983	$ 54,900	$62,100	$101,200	$173,700	$157,900	$177,900	$180,700	$158,800	$153,800	$148,500	$106,800	$59,800	$1,532,700
1982	210,500	58,500	77,600	121,800	126,000	150,400	114,400	92,700	$106,000	$109,800	$ 91,900	$ 47,300	$1,264,200
1981	80,500	48,400	104,300	126,200	154,500	150,000	135,000	108,400	$156,400	$ 79,400	$ 77,800	$128,000	$1,258,100
1980	123,900	56,600	106,700	136,800	200,100	145,800	163,600	131,200	147,000	144,900	119,100	122,800	1,558,100
1979	73,236	53,183	147,467	147,606	287,279	214,837	158,720	176,380	158,786	193,241	106,364	663,684	2,387,317
1978	59,801	76,899	414,733	161,298	316,356	238,580	205,105	174,592	173,965	182,151	139,023	75,598	2,219,229
1977	48,693	55,174	133,417	131,420	168,807	149,278	167,181	161,213	124,248	145,207	127,728	95,655	1,509,082
1975	35,490	38,213	57,082	94,270	124,380	364,167	105,512	95,145	107,006	112,444	63,153	54,608	1,252,180
1970	37,895	62,098	43,835	48,426	74,185	84,441	92,815	67,216	55,985	59,911	41,753	41,039	709,679

N/A = Not Available.
Source: F. W. Dodge Division, McGraw-Hill Information Systems Company. Proprietary Data provided by special permission.

Value of new residential construction (thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Totals
1984	$15,500	$26,200	$47,600	$66,000	$71,800	$70,000	$63,300	$60,500	N/A	N/A	N/A	N/A	N/A
1983	13,000	20,400	41,600	62,900	65,800	69,000	59,700	73,400	$88,600	$57,100	$43,300	$20,900	$613,800
1982	12,500	12,300	21,600	34,400	49,600	60,500	54,400	42,700	$42,900	$43,700	$45,100	$17,200	$432,300
1981	16,700	16,100	31,300	54,900	64,700	51,200	49,800	42,200	55,600	48,600	40,100	19,800	487,100
1980	21,700	17,200	34,400	28,300	39,700	46,100	60,800	74,300	54,000	80,700	76,100	40,600	552,400

N/A = Not available.
Source: F. W. Dodge Division, McGraw-Hill Information System Company. Proprietary Data provided by special permission.

New residential construction

Iowa SMSA's	1975 Number	1975 Value (000)	1980 Number	1980 Value (000)	1982 Number	1982 Value (000)	1983 Number	1983 Value (000)
Cedar Rapids	1,318	$22,636	822	$21,923	121	$ 4,213	160	$ 6,364
Davenport	2,487	54,780	1,591	55,970	956	33,002	759	36,398
Des Moines	2,353	62,369	1,262	47,683	872	35,769	1,204	65,379
Dubuque	434	8,794	199	9,332	71	2,671	85	4,109
Iowa City	N/A	N/A	437	19,699	891	27,377	1,669	52,178
Omaha-Council Bluffs	2,711	42,061	2,839	59,287	2,088	54,237	2,945	102,369
Sioux City	927	16,862	213	6,471	123	3,618	181	6,561
Waterloo	1,114	23,071	747	23,100	187	6,674	221	8,623

Source: Construction Reports—Housing Authorized by Building Permits and Public Contracts, U.S. Department of Commerce, Bureau of the Census.

Number and valuation of permits issued for new dwellings

City	1980 Number	1980 Value (000)	1982 Number	1982 Value (000)	1983 Number	1983 Value (000)	Jan. 1984-Aug. 1984 Number	Jan. 1984-Aug. 1984 Value (000)
Ames	60	$ 5,204.1	46	$ 1,459.5	79	$ 7,164.0	52	$ 4,482.5
Bettendorf	66	6,439.5	53	4,403.1	91	7,992.6	60	6,217.2
Burlington	28	1,951.2	17	1,474.0	19	1,791.3	9	993.0
Cedar Falls	81	6,493.8	22	3,768.9	32	1,693.3	18	1,407.5
Cedar Rapids	167	7,607.0	33	1,687.8	63	2,110.9	59	2,801.5
Clinton	46	3,225.5	5	163.0	14	1,189.5	8	345.0
Council Bluffs	70	2,175.3	27	3,516.3	42	2,854.5	62	5,360.5
Davenport	207	12,388.3	119	7,336.0	166	8,654.9	120	6,998.2
Des Moines	428	16,124.0	121	6,078.4	119	12,363.3	112	22,938.0
Dubuque	75	3,961.0	9	573.9	13	1,192.4	20	1,537.9
Ft. Dodge	41	4,305.0	3	170.0	11	1,209.3	15	4,437.5
Iowa City	100	10,456.7	114	18,488.9	282	31,977.0	159	14,256.4
Keokuk	61	3,772.9	30	1,782.3	12	421.0	12	546.0
Marion	114	6,223.4	16	649.9	23	925.7	22	942.3
Marshalltown	18	1,093.0	14	840.0	30	2,089.0	7	468.0
Mason City	47	7,036.9	24	1,290.2	48	3,378.3	37	3,643.8
Muscatine	43	7,113.8	28	2,036.1	53	6,261.2	22	990.0
Newton	20	3,760.0	36	2,110.3	4	307.0	6	235.8
Ottumwa	47	4,804.7	13	1,523.0	12	520.0	18	286.6
Sioux City	83	1,982.1	30	2,390.8	80	2,340.1	54	1,584.9
Urbandale	127	8,329.6	53	4,288.1	145	7,145.3	238	12,515.0
Waterloo	294	13,721.1	52	2,538.5	52	3,065.8	16	1,015.8
West Des Moines	68	6,436.7	45	4,969.7	182	16,486.6	138	17,392.5
TOTAL	2,291	$144,605.6	910	73,538.7	1,572	123,133.0	1,264	111,395.9

Source: Iowa Development Commission.

New residential construction, authorized permit issuing places

	1970 Number	1970 Value (000)	1975 Number	1975 Value (000)	1980 Number	1980 Value (000)	1982 Number	1982 Value (000)	1983 Number	1983 Value (000)
Illinois	1,384,028	$19,663,561	949,234	$24,107,069	26,659	$ 1,086,542	18,980	$ 909,727	29,836	$ 1,610,252
IOWA	11,074	158,881	14,706	331,981	8,917	311,937	5,416	195,664	6,999	284,825
Kansas	25,465	409,760	19,162	547,831	10,930	434,523	8,628	350,008	14,168	663,603
Minnesota	2,440	29,493	3,103	66,283	21,741	974,133	18,955	909,185	24,810	1,321,444
Missouri	8,014	85,667	7,927	163,970	13,736	458,743	11,544	436,208	18,687	806,981
Nebraska	9,906	149,634	12,106	323,686	6,906	207,765	3,851	127,666	5,465	217,215
South Dakota	23,344	326,392	16,135	401,616	3,100	97,473	1,220	41,758	2,289	94,053
United States	54,204	907,026	39,325	1,084,862	1,207,174	47,156,286	1,006,768	40,491,734	1,605,221	69,277,521
Wisconsin	23,175	332,951	26,002	635,564	18,510	689,816	12,312	481,239	16,962	758,845

Source: Construction Reports — Housing Authorized by Building Permits and Public Contracts, U.S. Department of Commerce, Bureau of the Census.

Housing units, 1980

	Iowa	Minnesota	Missouri	Nebraska	South Dakota	Wisconsin
All Housing Units	1,121,199	1,612,960	1,988,915	624,829	276,997	1,863,897
Vacant — Seasonal and Migratory	68,166	167,738	195,516	53,429	34,474	211,636
All Year-Round Housing	1,053,033	1,445,222	1,793,399	571,400	242,523	1,652,261
Percent in One-Unit Structures	80.4	73.7	77.4	79.7	74.2	75.4
Number of Home Owners	756,517	1,035,689	1,248,785	390,931	168,002	1,127,367
Median Value of Owner's Homes $	40,600	53,100	36,700	38,000	36,600	48,600
Median Contract Rent $	175	212	153	170	148	185
Vacancy Rate — Homeowners	1.6	1.5	2.0	2.0	2.1	1.3
Vacancy Rate — Rental	7.3	5.8	9.0	7.9	10.1	5.0

Source: 1980 General Housing Characteristics, U.S. Department of Commerce, Bureau of the Census.

Crime rates[1], 1983

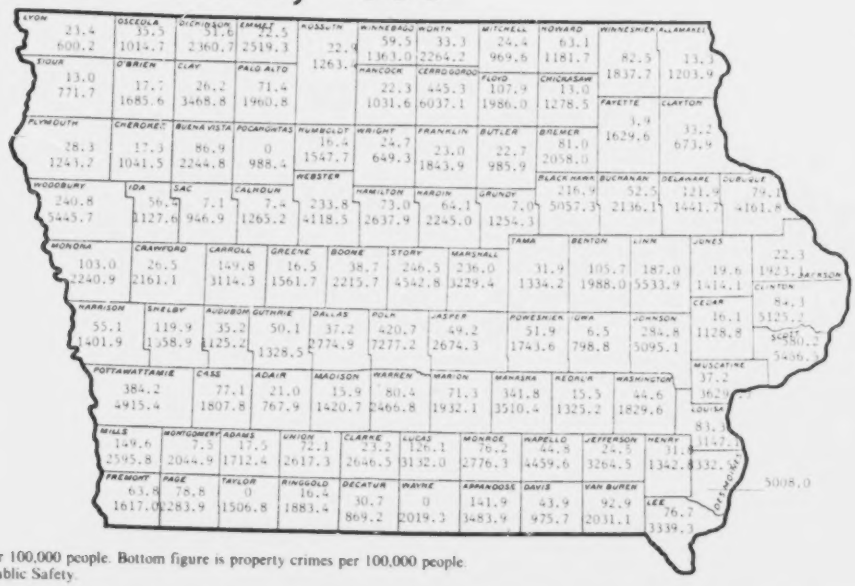
State	Index Rate
United States	5,158.6
Illinois	5,206.9
Indiana	4,129.8
IOWA	3,919.1
Kansas	4,529.8
Minnesota	4,034.2
Missouri	4,529.9
Nebraska	3,787.7
Ohio	4,505.1
South Dakota	2,547.6
Wisconsin	4,255.7

[1]Reported offenses per 100,000 population.
Source: Crime in the United States, Uniform Crime Reports, U.S. Department of Justice, Federal Bureau of Investigation, 1983.

Comparison of crime rates, U.S., region and Iowa, 1983

SOURCE: IOWA DEPT. OF PUBLIC SAFETY AND FBI

Incidence of crime[1], 1983



[1]Top figure is violent crimes per 100,000 people. Bottom figure is property crimes per 100,000 people.
Source: Iowa Department of Public Safety.

Total crimes reported, 1982-83

County	Total Crimes 1982	Total Crimes 1983	Violent Crimes 1982	Violent Crimes 1983	Property Crimes 1982	Property Crimes 1983
Adair	97	75	0	2	97	73
Adams	108	99	3	1	105	98
Allamakee	250	183	10	2	240	181
Appanoose	516	562	19	22	497	540
Audubon	135	99	2	3	133	96
Benton	496	495	16	25	480	470
Black Hawk	7,978	7,246	320	298	7,658	6,948
Boone	706	641	8	11	698	630
Bremer	524	528	31	20	493	508
Buchanan	610	500	20	12	590	488
Buena Vista	590	483	2	18	588	465
Butler	186	178	1	4	185	174
Calhoun	292	172	7	1	285	171
Carroll	367	305	28	14	339	291
Cass	270	318	4	13	266	305
Cedar	219	213	0	3	219	210
Cerro Gordo	3,003	3,130	172	215	2,831	2,915
Cherokee	247	184	12	3	235	181
Chickasaw	209	198	2	2	207	196
Clarke	244	230	2	2	242	228
Clay	584	668	4	5	580	663
Clayton	186	149	8	7	178	142
Clinton	2,828	2,968	32	48	2,796	2,920
Crawford	361	413	4	5	357	408
Dallas	808	831	27	11	781	820
Davis	94	93	4	4	90	89
Decatur	107	88	4	3	103	85
Delaware	206	295	13	23	193	272
Des Moines	2,393	2,409	124	150	2,269	2,259
Dickinson	482	374	5	8	477	366
Dubuque	4,436	3,969	100	74	4,336	3,895
Emmet	448	339	3	3	445	336
Fayette	548	415	0	1	548	414
Floyd	580	409	9	21	571	388
Franklin	194	243	1	3	193	240
Fremont	180	158	4	6	176	152
Greene	245	191	1	2	244	189
Grundy	137	181	0	1	137	180
Guthrie	164	165	5	6	159	159
Hamilton	573	483	13	13	560	470
Hancock	183	142	6	3	177	139
Hardin	546	504	17	14	529	490
Harrison	330	238	11	9	319	229
Henry	315	259	11	6	304	253
Howard	137	138	3	7	134	131
Humboldt	183	191	5	2	178	189
Ida	129	105	1	5	128	100
Iowa	194	124	1	1	193	123
Jackson	519	437	2	5	517	432
Jasper	1,242	1,051	40	19	1,202	1,032
Jefferson	556	537	2	4	554	533
Johnson	4,865	4,383	276	232	4,589	4,151
Jones	284	292	1	4	283	288
Keokuk	176	173	1	2	175	171
Kossuth	345	281	7	5	338	276
Lee	1,698	1,469	55	33	1,643	1,436
Linn	9,287	9,700	314	317	8,973	9,383
Louisa	397	388	8	10	389	378
Lucas	349	336	7	13	342	323
Lyon	55	80	0	3	55	77
Madison	196	181	4	2	192	179
Mahaska	931	879	53	78	878	801
Marion	567	590	18	21	549	569
Marshall	1,668	1,439	104	98	1,564	1,341
Mills	419	367	21	20	398	347
Mitchell	148	122	1	3	147	119
Monona	271	273	23	12	248	261
Monroe	258	262		7	254	255
Montgomery	314	275	4	1	310	274
Muscatine	1,909	1,477	25	15	1,884	1,462
O'Brien	312	289	4	3	308	286
Osceola	107	119	0	4	107	115
Page	456	450	15	15	441	435
Palo Alto	254	256	4	9	250	247
Plymouth	372	314	2	7	370	307
Pocahontas	132	112	2	0	130	112
Polk	24,776	23,724	1,187	1,272	23,589	22,002
Pottawattamie	4,895	4,566	372	331	4,523	4,235
Poweshiek	369	346	9	10	360	336
Ringgold	102	116	0	1	102	115
Sac	124	135	2	1	122	134
Scott	9,077	9,640	802	925	8,275	8,715
Shelby	238	222	14	18	224	204
Sioux	280	241	6	4	274	237
Story	3,541	3,459	176	178	3,365	3,281
Tama	393	300	11	7	382	293
Taylor	123	126	2	0	121	126
Union	435	373	9	10	426	363
Van Buren	191	183	3	8	188	175
Wapello	1,643	1,811	22	18	1,621	1,793
Warren	1,091	887	37	28	1,054	859
Washington	365	378	27	9	338	369
Wayne	211	165	0	0	211	165
Webster	1,998	1,992	61	107	1,937	1,885
Winnebago	161	190	12	8	149	182
Winneshiek	453	419	13	18	440	401
Woodbury	6,045	5,714	217	242	5,828	5,472
Worth	219	207	1	3	218	204
Wright	182	109	9	4	173	105
Total	119,617	113,854	5,064	5,262	114,553	108,592

Source: Iowa Department of Public Safety.

Crimes reported, 1983

County	Violent Crimes				Property Crimes		
	Murder	Rape	Robbery	Aggravated Assault	Burglary	Larceny	Motor Vehicle Theft
Adair	0	0	1	1	6	65	2
Adams	0	0	0	1	15	79	4
Allamakee	0	0	0	2	36	137	8
Appanoose	0	1	2	19	135	375	30
Audubon	0	0	0	3	31	65	0
Benton	0	0	4	21	124	311	35
Black Hawk	5	18	100	175	1,961	4,789	198
Boone	2	0	3	6	96	509	25
Bremer	0	1	1	18	113	381	14
Buchanan	0	0	2	10	150	320	18
Buena Vista	2	1	1	14	80	367	18
Butler	4	0	0	0	48	109	17
Calhoun	0	1	0	0	24	142	5
Carroll	0	0	0	14	57	229	5
Cass	0	3	0	10	59	235	11
Cedar	0	1	0	2	53	139	18
Cerro Gordo	0	10	20	185	575	2,200	140
Cherokee	0	0	0	3	46	129	6
Chickasaw	0	0	0	2	30	159	7
Clarke	0	0	1	1	44	177	7
Clay	0	0	0	5	118	524	21
Clayton	0	0	1	6	27	106	9
Clinton	0	11	14	23	573	2,227	120
Crawford	0	0	2	3	114	277	17
Dallas	0	1	2	8	214	564	42
Davis	0	1	0	3	29	56	4
Decatur	0	1	0	2	33	43	9
Delaware	0	1	1	21	59	206	7
Des Moines	2	11	19	118	504	1,659	96
Dickinson	0	0	0	8	77	280	9
Dubuque	2	2	20	50	903	2,800	192
Emmet	0	0	0	3	97	233	6
Fayette	0	0	0	1	72	319	23
Floyd	0	3	1	17	64	314	10
Franklin	0	0	0	3	50	178	12
Fremont	1	2	1	2	52	89	11
Greene	0	2	0	0	52	127	10
Grundy	0	0	1	0	43	132	5
Guthrie	0	0	2	4	33	118	8
Hamilton	0	2	3	8	110	336	24
Hancock	0	1	1	1	22	113	4
Hardin	0	1	0	13	83	377	25
Harrison	2	0	0	7	52	168	9
Henry	4	0	0	2	35	193	25
Howard	0	0	0	7	17	110	4
Humboldt	0	0	0	2	25	154	10
Ida	0	0	1	4	12	79	9
Iowa	0	0	0	1	14	105	4
Jackson	0	0	2	3	114	304	14
Jasper	2	2	3	12	210	771	51
Jefferson	0	0	0	4	78	442	13
Johnson	1	32	21	178	723	3,297	131
Jones	1	0	0	3	78	197	13
Keokuk	0	0	0	2	58	105	8
Kossuth	0	0	0	5	33	233	10
Lee	0	5	5	23	281	1,090	65
Linn	5	26	87	199	2,338	6,674	371
Louisa	0	0	1	9	137	228	13
Lucas	1	1	0	11	67	225	31
Lyon	0	0	0	3	27	47	3
Madison	0	0	0	2	64	110	5
Mahaska	1	3	7	67	207	561	33
Marion	0	0	0	21	142	407	20
Marshall	0	3	11	84	403	886	52
Mills	0	2	2	16	88	240	19
Mitchell	0	1	0	2	12	102	5
Monona	0	0	0	12	76	172	13
Monroe	0	0	0	7	90	159	6
Montgomery	0	0	0	1	60	200	14
Muscatine	0	2	5	8	331	1,071	60
O'Brien	0	0	0	3	90	178	18
Osceola	0	0	1	3	11	104	0
Page	0	2	2	11	69	349	17
Palo Alto	0	1	0	8	89	145	13
Plymouth	0	1	2	4	61	225	21
Pocahontas	0	0	0	0	31	79	2
Polk	9	101	450	712	5,004	16,009	989
Pottawattamie	6	25	69	231	1,155	2,826	254
Poweshiek	0	0	1	9	74	239	23
Ringgold	0	0	1	0	107	3	5
Sac	0	0	0	1	33	98	3
Scott	10	45	211	659	2,733	5,711	271
Shelby	0	1	1	16	34	160	10
Sioux	0	0	2	2	49	179	9
Story	1	8	8	161	721	2,418	92
Tama	0	1	3	3	58	221	14
Taylor	0	0	0	0	45	75	6
Union	1	0	4	5	90	248	25
Van Buren	0	0	0	8	76	88	11
Wapello	0	0	12	6	590	1,109	94
Warren	0	1	2	25	218	601	40
Washington	0	0	0	9	102	233	34
Wayne	0	0	0	0	54	106	5
Webster	2	10	28	67	370	1,382	133
Winnebago	0	0	0	8	32	144	6
Winneshiek	0	1	0	17	78	306	17
Woodbury	4	15	45	178	1,634	3,627	211
Worth	0	0	0	3	88	108	8
Wright	0	1	0	3	27	73	5
Total	68	365	1,192	3,637	26,596	77,410	4,586

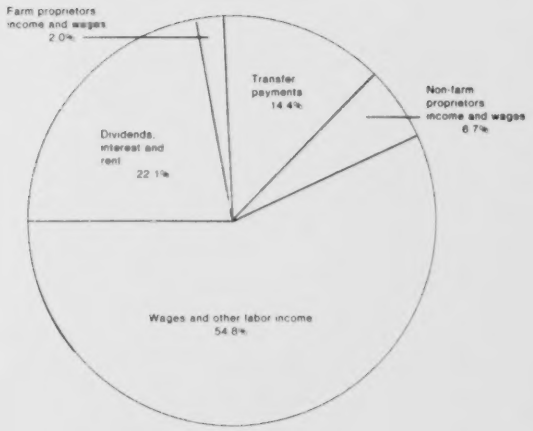
Source: Iowa Department of Public Safety.

Economy

Major sources of personal income in Iowa, 1983

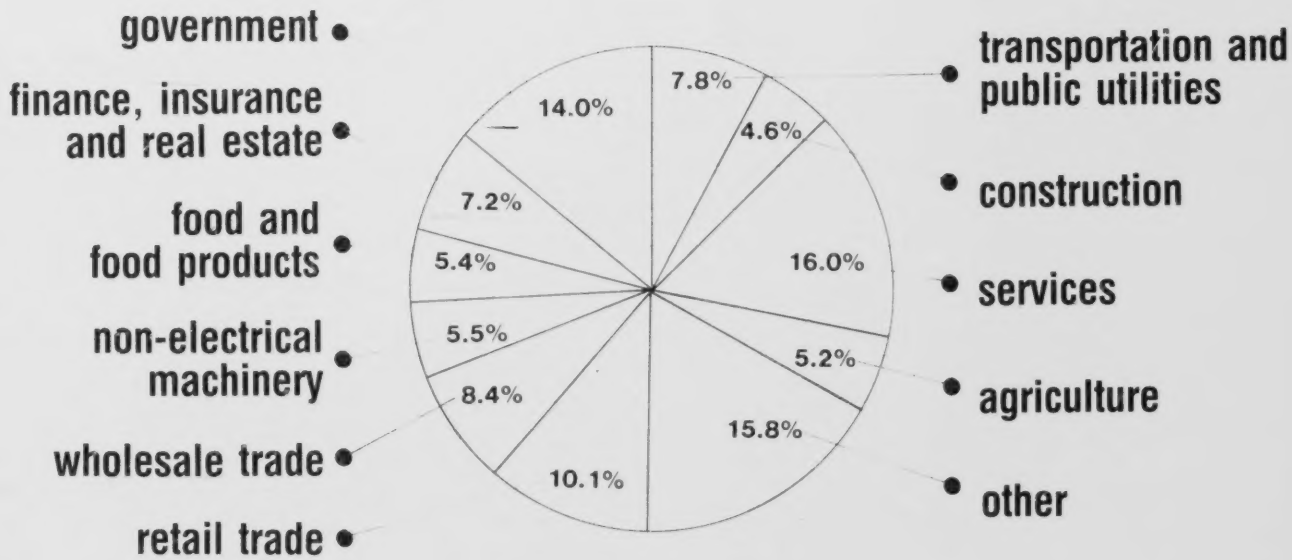
People are often surprised by the low proportion of personal income earned on Iowa farms. Farm proprietors' share was quite low in 1983 by historical standards.

Although agriculture accounts for only a small portion of the state's personal income, the sector is extremely important, since nearly one-third of Iowa manufacturing employees work in two farm-related industries: non-electrical machinery manufacturing (which includes farm and construction equipment), and food and kindred products manufacturing.


Farm proprietors income and wages 2.0%
Transfer payments 14.4%
Non-farm proprietors income and wages 6.7%
Dividends, interest and rent 22.1%
Wages and other labor income 54.8%

Source: Office for Planning and Programming.

Income earned by industry source, 1983



Source: Iowa Office For Planning & Programming, Economic Analysis Division.

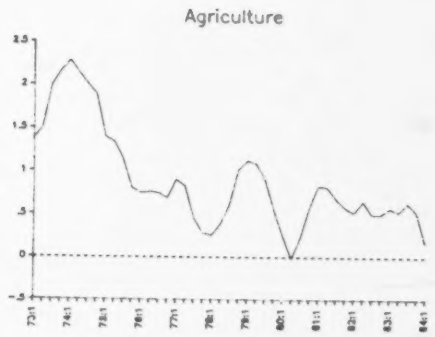
Iowa income by industry*

Billions of Constant 1972 Dollars

	1982	1983
Agriculture	0.81	0.56
Manufacturing	2.82	2.87
Services	1.62	1.72
Finance, Insurance and Real Estate	0.68	0.77

Agriculture

Agriculture includes income earned in farming, agriculture services, fishing and forestry. Total labor, proprietors' and corporate income from the agricultural sector have been undermined by high interest rates, falling land values and sluggish export activity.



Manufacturing

Iowa's major manufacturing industries, non-electrical equipment and food product manufacturing, are dependent upon either the health of the farm sector, low interest rates, or both. Employment and income originating in Iowa's manufacturing industries have been affected by the recent recession.

Services

This industry group, which contains a variety of types of businesses ranging from recreation to medical care, has generally been insulated from the effects of the national business cycle. During 1983, service industry income rose more rapidly than that of any other group.

Finance, Insurance and Real Estate

Total labor, proprietors' and corporate income originating in this sector rose at a rate of 2.6 percent during the first quarter of 1984. Employment in this sector is usually quite stable, and the rising interest rates of the first quarter helped to boost income by increasing the return on life insurance companies' assets.

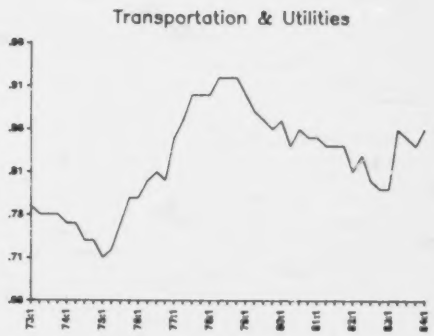
Iowa income by industry*

Transportation and Public Utilities

Falling manufacturing output has lessened the demand for trucking and warehousing services provided by businesses in this sector. The long-term decline of railroads as a means of transporting goods has also restrained income. The growth of manufacturing production levels during 1983 has helped the transportation industries return to a growth mode.

Billions of Constant 1972 Dollars

1982	1983
0.80	0.84



Construction

Income and employment in the construction industries have suffered losses due to the high effective interest rates and less demand for goods and services. Some recovery in the industry has been noted early in 1984, as an increasing reliance on adjustable rate mortgages for financing has supported the sale of new and existing homes.

1982	1983
0.52	0.50

Trade

The wholesale and retail trade industries, like most other industry groups which produce services, is dependent upon the health of the state's agricultural and manufacturing sectors. During much of 1983, total income originating in this sector was on the rise.

1982	1983
2.07	1.99

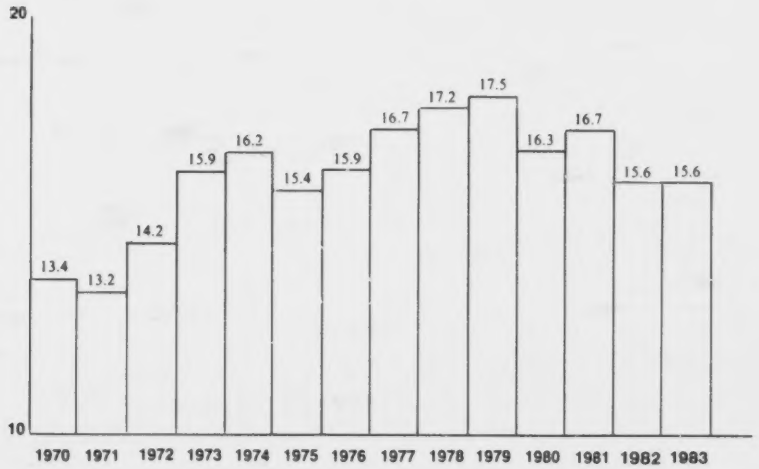
*Income includes wages and salaries, other labor income, proprietor's income and corporate profits (not only those distributed as dividends) that originate within a given industry in Iowa. Income is in billions of 1972 dollars, adjusted using the implicit price deflator for Gross National Product. Quarterly amounts are seasonally adjusted at annual rates.

Source: Division of Economic Analysis, Office for Planning and Programming, 1984.

Gross state product

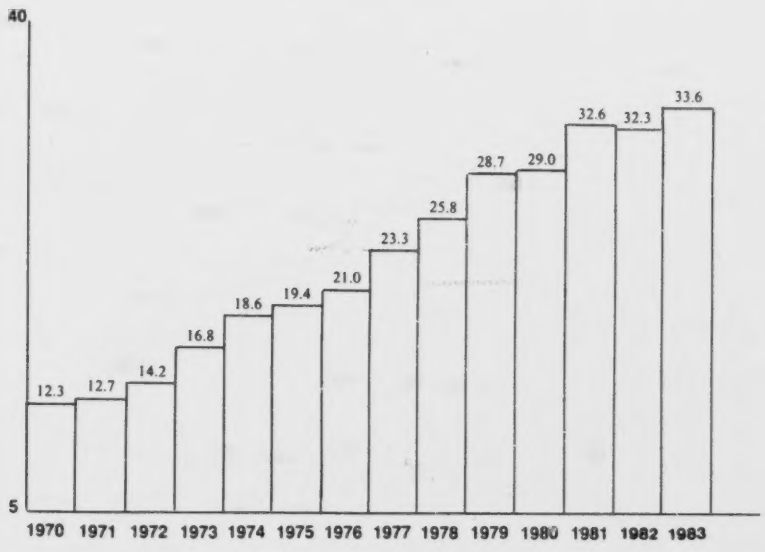
Gross State Product is a broad measure of aggregate economic activity. It is computed using a technique similar to that used by the U.S. Department of Commerce in estimating Gross National Product. Iowa's current economic slowdown began to have a significant effect in 1979.

(constant 1972 dollars, in billions, reflects actual growth)



Source: Economic Analysis Division, Office for Planning and Programming, 1984.

(current dollars, in billions)



Source: Economic Analysis Division, Office for Planning and Programming, 1984.

U.S. inflation

Consumer price index for all urban consumers, all items, U.S. city average (1967=100).

Year	Average Index	Average Annual Inflation Rate
1970	116.3	% 5.5
1975	161.2	7.0
1977	181.5	6.8
1978	195.4	9.0
1979	217.4	13.3
1980	246.8	12.4
1981	272.3	8.9
1982	289.1	3.9
1983	298.4	3.8
1984	315.5	4.0

Source: U.S. Department of Labor, Bureau of Labor Statistics

Quarterly Iowa economic forecast, 1984-86

	Year and Quarter											
	1984:1	1984:2	1984:3	1984:4	1985:1	1985:2	1985:3	1985:4	1986:1	1986:2	1986:3	1986:4
Personal Income (billions of current dollars)	33.19	34.13	35.17	36.19	37.26	37.69	37.76	37.78	37.94	38.04	38.67	39.03
Personal Income (billions of 1972 constant dollars)	15.22	15.57	15.92	16.23	16.55	16.57	16.42	16.24	16.10	15.94	16.01	15.95
Total Nonfarm Employment (thousands)	1,034.36	1,030.30	1,042.33	1,050.96	1,060.24	1,065.40	1,068.82	1,069.99	1,070.98	1,071.10	1,072.12	1,072.79

Source: The Iowa Economic Forecast, September 1984, The Institute For Economic Research, The University of Iowa.

Public school enrollment[1]

Traditionally, Iowa's 438 public school districts have been in the forefront of new trends in school financing, teaching methods, administration and curriculum. This attitude is reinforced by the 229 parochial and private schools.

Iowa has three state universities, 34 private universities, and 15 area vocational schools and area community schools.

The University of Iowa in Iowa City has 29,712 enrollees. University Hospital is one of the nation's finest medical and educational institutions, often compared to the Mayo Clinic. The campus boasts the charming "Old Capitol," well preserved seat of Iowa's first formal government.

Iowa State University, Ames, has 26,321 students in eight major fields: Agriculture, Agricultural Engineering, Home Economics, Science and Humanities, Veterinary Medicine, Education, Engineering and graduate studies. The university pioneered some of the advances in nuclear energy research and is a major developer of uses for agricultural products. ISU also maintains an extension service that works with Iowa communities on a wide variety of social and economic projects.

The University of Northern Iowa, Cedar Falls, has 11,161 students. Originally a state teachers college, it now attracts students in a variety of fields, including business. The Doctor of Industrial Technology is the only degree of its kind in the nation. A feature of its attractive campus is the UNI-Dome, a multi-purpose enclosed arena.

	Enrollment						
Grade	1970-71	1975-76	1979-80	1980-81	1981-82	1982-83	1983-84
Kindergarten	50,219	45,790	37,517	39,104	37,500	39,424	39,067
First	49,890	40,890	35,527	35,265	36,609	35,881	37,518
Second	49,547	39,051	36,938	34,004	33,771	35,147	34,338
Third	50,510	39,461	39,622	36,449	33,499	33,227	34,299
Fourth	51,264	40,635	40,597	39,672	36,097	33,321	32,971
Fifth	50,314	43,225	39,141	40,118	39,094	35,628	32,742
Sixth	49,762	46,410	38,493	38,935	39,575	38,641	35,497
Ungraded Elem.	6,205	6,566	2,473	2,054	1,643	N/A	N/A
Total K-6	357,711	302,028	270,308	265,601	257,788	251,269	246,432
Seventh	48,918	49,570	40,283	39,238	39,190	39,947	38,937
Eighth	49,737	50,961	41,231	40,120	38,163	38,870	39,480
Ninth	50,725	53,099	44,992	42,372	40,612	39,257	39,940
Ungraded Jr. High	*	242	434	196	1,362		
Total 7-9	149,380	153,872	126,940	121,926	119,327	118,074	118,357
Tenth	49,961	51,612	46,792	43,842	41,423	39,814	38,375
Eleventh	47,817	49,085	46,590	45,220	42,323	39,912	38,631
Twelfth	44,744	43,569	45,308	44,382	43,194	41,045	38,729
Ungraded Sr. High	190	262	1,270	1,314	714	N/A	N/A
Total 10-12	142,712	144,528	139,960	134,758	127,654	120,771	115,735
Special Education	9,766	10,410	9,991	10,398	10,229	13,002	14,441
Post H.S.	7						
Grand Total	659,576	610,838	547,199	532,683	514,956	503,116	480,524

N/A = Not Available.
[1]Data includes only approved public schools in Iowa.
Source: Iowa Department of Public Instruction.

Public and private high school graduates

	Graduation[1] Rate
U.S. Average	73.9%
Illinois	77.1
Indiana	78.3
IOWA	88.0
Kansas	82.5
Minnesota	90.7
Missouri	76.2
Nebraska	84.1
Ohio	82.2
South Dakota	85.0
Wisconsin	84.0

[1]Graduation rate is defined as the percent of the 1980 ninth grade class that completed high school in 1983.
Source: National Center for Education Statistics, U.S. Department of Education, 1983.

Enrollment in higher learning

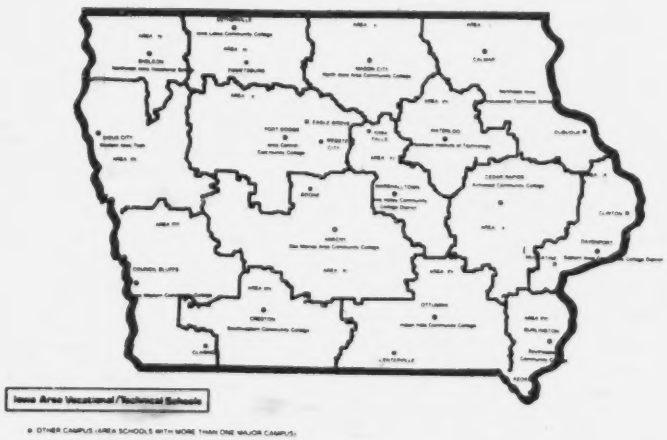
Type of Institution	Undergraduate Enrollment Fall 1975	Fall 1979	Fall 1980	Fall 1981	Fall 1982	Fall 1983
Regents	40,748	44,323	47,247	48,712	51,094	53,259
Independent 4-year	29,571	32,808	33,338	33,675	32,622	38,823
Independent 2-year	3,040	909[2]	798	767	1,979[1]	1,838
Area schools	30,784	31,261	35,477	37,261	39,005	39,360
Bible & Theological Schools	921	938	812	751	337	720
Business Schools	1,562	1,622	1,651	1,813	1,021	1,301
Nursing & Professional Schools[3]	1,632	1,337	1,243	1,317	1,423	1,452
Grand Total	108,258	113,227	120,728	124,550	127,481	130,753

[1]American Institute of Business was reclassified from a business school to an independent 2-year.
[2]Ottumwa Heights College and Palmer Junior College were merged with the Area Community College.
Source: Data Digest on Iowa Post secondary Institutions, 1983-84, College Aid Commission.

Area college enrollment

	Total Students Degree Credit Enrollment Fall 1983	Fall 1984	Fall 1984 Men	Fall 1984 Women	By Source Iowa Residents	Non-Iowa Residents	By Academic Load Full Time	Part Time	New Freshmen Fall 1983	Fall 1984	[1]Other New Students Fall 1983	Fall 1984
Des Moines Area, Ankeny, Boone and Carroll	7763	8056	3407	4649	7925	131	3677	4379	3757	3780	798	683
Eastern Iowa—Clinton, Muscatine and Scott	4586	4470	1962	2508	4157	313	2432	2038	1989	1843	57	114
Hawkeye Institute	1930	**	**	**	**	**	**	**	681	**	114	**
Indian Hills—Ottumwa, Ottumwa Heights, Centerville	2399	2212	1103	1109	2156	56	1693	519	904	858	398	460
Iowa Central—Eagle Grove, Fort Dodge, Webster City	2369	2398	1141	1257	2336	62	1764	634	1427	1524	108	90
Iowa Lakes—Emmetsburg, Estherville	1656	1700	917	783	1595	105	1265	435	795	739	71	82
Iowa Valley—Ellsworth, Marshalltown	2380	2308	1092	1216	2235	73	1636	672	1121	1205	635	86
Iowa Western	2987	2864	1428	1436	2652	212	2214	650	1208	1066	248	224
Kirkwood	6336	6340	2671	3669	6225	115	3989	2351	2483	2579	607	457
North Iowa Area	2289	2096	1021	1075	2062	34	1541	555	888	850	165	145
Northeast Iowa Calmar	540	476	240	236	473	3	418	58	303	262	90	60
Peosta	686	604	219	385	570	34	532	72	391	329	86	59
Northwest Iowa	466	461	373	88	446	15	451	10	255	265	46	33
Southeastern Burlington	1395	1404	571	833	1291	113	959	445	513	648	103	82
Keokuk	470	439	139	300	310	129	271	168	205	177	38	18
Ft. Madison State Pen.	75	92	92	—	92	—	15	77	27	31	1	7
Southwestern	658	673	340	333	655	18	589	84	323	302	74	69
Western Iowa Tech	1409	1294	756	538	1168	126	1279	15	744	668	157	150
TOTAL	40394	37887	17472	20415	36348	1539	24725	13162	18004	17126	3796	2819

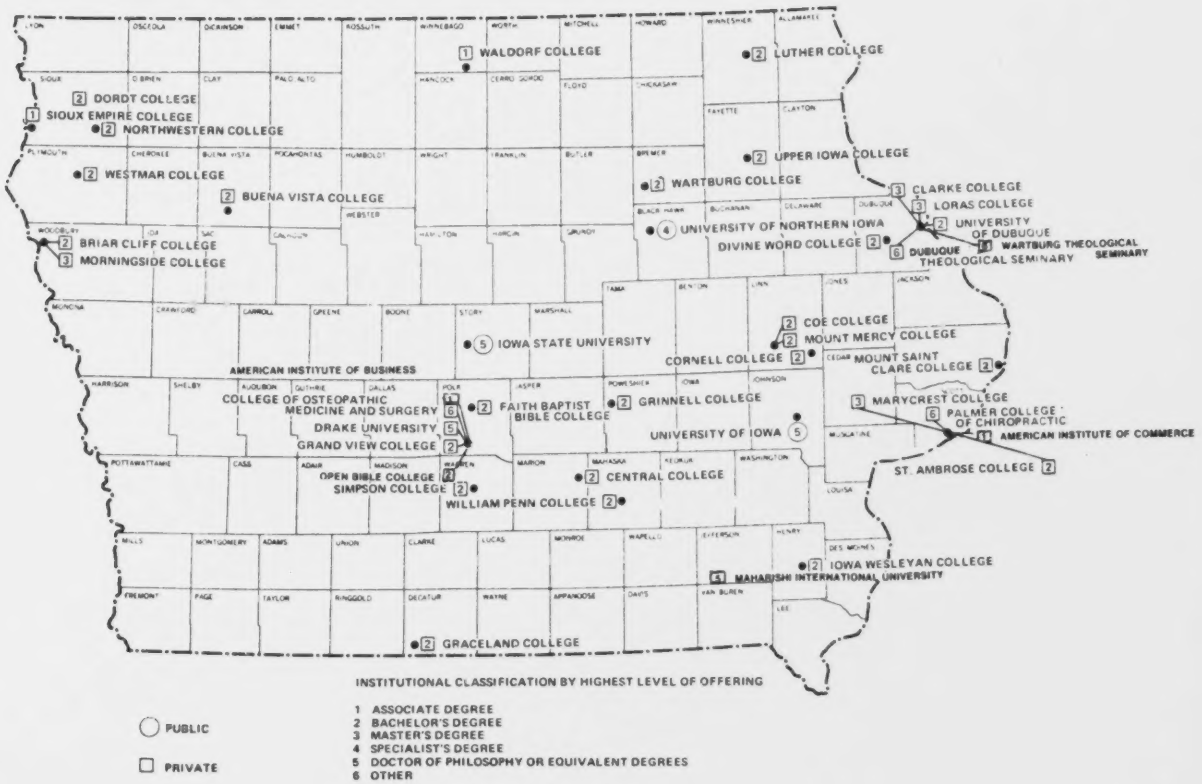
**Enrollment data not available at date of publication.
Source: Iowa College and University Enrollment Fall 1984, prepared by Dr. Jerald Dallam, University of Iowa.


Iowa Area Vocational/Technical Schools
OTHER CAMPUS (AREA SCHOOLS WITH MORE THAN ONE MAJOR CAMPUS)
ADMINISTRATIVE CENTER AND CAMPUS

Iowa's area colleges provide an exceptionally wide variety of opportunities. Programs are offered through the adult education division and college parallel division.

The growth of the area colleges has been impressive. In the 1965-66 school year, there were only 25 occupational programs available. This number has increased to 162 full-time preparatory career programs during fall of the 1984-85 school year.

Iowa colleges and universities



Source: Iowa Development Commission.

Higher education in the Midwest

State	1979-80 Total Degrees	1979-80 Bachelor's Degrees	1979-80 Advanced Degrees*	1980-81 Total Degrees	1980-81 Bachelor's Degrees	1980-81 Advanced Degrees*
United States	1,330,244	929,417	400,827	1,335,793	935,140	400,653
Illinois	66,889	44,187	22,702	67,407	44,470	22,937
IOWA	18,302	13,511	4,791	19,096	14,441	4,655
Kansas	15,863	11,706	4,157	15,814	11,672	4,142
Minnesota	23,860	18,634	5,226	24,848	19,392	5,456
Missouri	32,329	21,804	10,525	32,404	22,041	10,363
South Dakota	4,173	3,948	765	4,612	3,868	744
Nebraska	10,239	7,553	2,686	10,073	7,404	2,669
Wisconsin	28,824	21,807	7,017	28,907	22,026	6,881

*Includes master's, doctor's, and first-professional degrees.
Source: The Condition of Education — 1983 Edition, National Center for Education, U.S. Department of Education.

Freshmen enrollment in higher education

Type of Institution	Fall 1970r	1975	1980*	1983r	1984
State Institutions	8,170	8,367	9,825	10,003	9,407
Private Colleges and Universities	8,921	7,668	8,478	7,895	7,984
Area Schools	12,082	12,996	17,266	18,004	17,126
Private Junior Colleges	1,802	1,257	393	1,331	1,341
ALL INSTITUTIONS	30,975	30,288	35,962	37,262	35,858

r = Revised.
*Business school freshmen enrollment not included.
Source: Iowa College Aid Commission.

Persons age 25 and over by years of school completed, 1980

State	Elementary 0-8 years	Percent	High School 1-3 years	Percent	High School 4 years	Percent	College 1-3 years	Percent	College 4 years or more	Percent
United States	24,257,683	18.3	20,277,683	15.3	45,947,035	34.6	20,794,975	15.6	21,558,480	16.2
Illinois	1,235,826	18.5	1,001,414	15.0	2,343,719	35.1	1,015,515	15.2	1,082,285	16.2
IOWA	283,918	16.7	200,038	11.8	729,369	42.9	249,722	14.7	237,055	13.9
Kansas	203,355	14.7	166,880	12.0	543,823	39.2	237,617	17.1	236,427	17.0
Minnesota	391,854	16.7	240,294	10.2	904,382	38.6	401,890	17.1	407,281	17.4
Missouri	634,211	21.7	430,386	14.8	1,059,240	36.3	389,304	13.3	405,515	13.9
Nebraska	137,561	15.1	105,055	11.5	370,302	40.6	157,693	17.3	141,542	15.5
South Dakota	85,894	22.0	39,072	10.0	141,375	36.3	68,936	17.7	54,624	14.0
Wisconsin	485,923	18.0	336,370	12.4	1,093,496	40.4	388,523	14.4	401,076	14.8

Source: 1980 Census of Population, U.S. Department of Commerce, Bureau of the Census.

Annual salary estimate of teachers in public schools

	1970-71	1975-76	1980-81	1981-82	1982-83	1983-84
Iowa	$9,103	$11,700	$16,961	$18,270	$19,257	$20,140
United States	9,269	12,600	17,590	19,064	20,725	22,029

Source: National Education Association, Research Division, Iowa Department of Public Instruction.

Expenditures per pupil[1] in public elementary/ secondary schools

	1981-82
U.S. Average	$2,724
Illinois	2,936
Indiana	2,306
IOWA	2,826
Kansas	2,815
Minnesota	2,905
Missouri	2,342
Nebraska	2,704
Ohio	2,492
South Dakota	2,300
Wisconsin	2,935

[1]Current expenditures per pupil in average daily attendance.
Source: The Condition of Education 1984 Edition, National Center for Education statistics, U.S. Department of Education.

School enrollment, 1983-84
(Primary and Secondary Education)

County	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Adair	690	284	282	21	1,277	—	1,277
Adams	415	163	171	27	776	—	776
Allamakee	1,376	739	790	77	2,982	217	3,199
Appanoose	1,313	602	565	115	2,595	119	2,714
Audubon	673	311	370	7	1,361	—	1,361
Benton	2,176	1,057	1,086	120	4,439	—	4,439
Black Hawk	10,640	4,685	4,533	837	20,695	3,801	24,496
Boone	2,002	937	937	80	3,956	295	4,251
Bremer	2,921	1,605	1,539	89	6,154	336	6,490
Buchanan	1,756	781	819	67	3,423	422	3,845
Buena Vista	1,589	699	664	109	3,061	365	3,426
Butler	1,511	749	722	12	2,994	—	2,994
Calhoun	1,330	646	641	17	2,634	—	2,634
Carroll	1,396	594	647	73	2,710	2,138	4,848
Cass	1,694	797	772	36	3,299	—	3,299
Cedar	1,864	854	964	35	3,717	—	3,717
Cerro Gordo	3,615	1,638	1,569	311	7,133	693	7,826
Cherokee	1,546	688	696	49	2,979	—	2,979
Chickasaw	1,248	646	768	22	2,684	222	2,906
Clarke	871	409	337	41	1,658	—	1,658
Clay	1,714	804	781	60	3,359	193	3,552
Clayton	2,028	841	984	97	3,950	183	4,133
Clinton	4,983	2,423	2,493	339	10,238	940	11,178
Crawford	1,840	869	865	53	3,627	419	4,046
Dallas	3,109	1,537	1,343	124	6,113	227	6,340
Davis	793	392	329	20	1,534	—	1,534
Decatur	811	418	358	17	1,604	—	1,604
Delaware	1,647	866	923	244	3,680	255	3,935
Des Moines	3,826	1,933	1,708	290	7,757	407	8,164
Dickinson	1,491	676	622	9	2,798	—	2,798
Dubuque	5,592	3,065	3,619	665	12,941	7,783	20,724
Emmet	1,331	569	565	51	2,516	—	2,516
Fayette	2,429	1,216	1,318	201	5,164	330	5,494
Floyd	1,645	882	942	96	3,565	267	3,832
Franklin	941	425	444	29	1,839	36	1,875
Fremont	969	394	378	23	1,764	—	1,764
Greene	985	487	495	28	1,995	—	1,995
Grundy	1,314	638	661	9	2,622	70	2,692
Guthrie	1,385	665	628	38	2,716	—	2,716
Hamilton	1,571	822	749	76	3,218	96	3,314
Hancock	1,278	556	559	10	2,403	70	2,473
Hardin	2,159	1,058	1,032	113	4,362	—	4,362
Harrison	1,626	797	752	57	3,232	56	3,288
Henry	1,897	875	759	66	3,597	—	3,597
Howard	1,053	542	594	34	2,223	289	2,512
Humboldt	996	480	534	17	2,027	142	2,169
Ida	766	311	318	28	1,423	—	1,423
Iowa	1,279	651	756	33	2,719	211	2,930
Jackson	1,998	1,002	1,074	113	4,187	662	4,849
Jasper	3,340	1,625	1,508	125	6,598	218	6,816
Jefferson	1,119	549	556	58	2,282	175	2,457

County	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Johnson	5,260	2,401	2,314	208	10,183	601	10,784
Jones	1,618	915	934	79	3,546	274	3,820
Keokuk	1,202	580	600	20	2,402	95	2,497
Kossuth	1,401	679	663	64	2,807	1,294	4,101
Lee	3,273	1,555	1,508	271	6,607	1,324	7,931
Linn	14,470	7,460	7,442	1,194	30,566	3,264	33,830
Louisa	1,507	681	685	45	2,918	—	2,918
Lucas	875	449	369	8	1,701	—	1,701
Lyon	1,132	552	502	30	2,216	188	2,404
Madison	1,457	656	615	91	2,819	—	2,819
Mahaska	1,756	788	690	70	3,304	192	3,496
Marion	2,771	1,262	1,222	129	5,384	778	6,162
Marshall	3,389	1,841	1,833	295	7,358	391	7,749
Mills	1,389	632	584	16	2,621	—	2,621
Mitchell	871	432	509	19	1,831	252	2,083
Monona	982	456	463	29	1,930	90	2,020
Monroe	739	330	333	55	1,457	—	1,457
Montgomery	1,229	546	468	35	2,278	—	2,278
Muscatine	3,942	1,829	1,698	233	7,702	269	7,971
O'Brien	1,381	712	671	43	2,807	527	3,334
Osceola	489	239	241	24	993	114	1,107
Page	1,698	770	646	48	3,162	111	3,273
Palo Alto	1,040	495	583	32	2,150	272	2,422
Plymouth	1,990	949	883	43	3,865	1,082	4,947
Pocahontas	860	450	502	32	1,844	150	1,994
Polk	25,250	12,565	11,315	1,791	50,921	5,630	56,551
Pottawattamie	8,402	3,908	3,313	673	16,296	901	17,197
Poweshiek	1,544	769	750	125	3,188	—	3,188
Ringgold	582	249	261	26	1,118	—	1,118
Sac	1,225	595	571	28	2,419	78	2,497
Scott	15,045	7,165	7,409	922	30,541	2,685	33,226
Shelby	1,156	638	748	79	2,621	374	2,995
Sioux	1,918	896	861	75	3,750	2,354	6,104
Story	4,847	2,308	2,199	203	9,557	189	9,746
Tama	1,744	889	888	65	3,586	—	3,586
Taylor	788	349	343	14	1,494	—	1,494
Union	1,339	584	596	55	2,574	105	2,679
Van Buren	803	348	354	35	1,540	—	1,540
Wapello	3,746	1,722	1,515	298	7,281	94	7,375
Warren	3,561	1,820	1,505	162	7,048	—	7,048
Washington	1,714	881	815	60	3,470	259	3,729
Wayne	726	317	307	18	1,368	—	1,368
Webster	3,108	1,518	1,520	311	6,457	1,326	7,783
Winnebago	1,392	664	646	34	2,736	12	2,748
Winneshiek	1,147	610	777	38	2,572	537	3,109
Woodbury	8,924	3,621	3,575	1,017	17,137	2,883	20,020
Worth	648	347	304	1	1,300	—	1,300
Wright	1,561	683	686	30	2,960	—	2,960
State	246,432	118,357	115,735	14,441	494,965	50,422	545,387

K = Kindergarten.
Source: Iowa Department of Public Instruction.

Economic development training

Iowa's vocational education delivery system has responded to the educational needs of business and industry by offering customized training tailored to the specific organization. During fiscal year 84, fifty-six Iowa companies and sixteen Iowa schools cooperated in the development of training programs for 3,292 Iowans. These partnerships between business and education contribute to economic growth in the state by preparing, upgrading, and retraining individuals for participation in the workforce.

These programs were developed to:

— Prepare workers for employment in new and expanding business and industry (NEBIT)

— Increase productivity in existing business and industry (Productivity Enhancement)

— Prepare workers for employment in firms hiring new employees in situations which create primary income jobs (Industrial Start-up)

— Prepare workers for employment in new or expanding business and industry in accordance with a unique financial design established by the Iowa State Legislature (Iowa Jobs Training Program HF623)

Program Category	No. of Schools	No. of Companies	No. of Programs	Enrollment
NEBIT	10	12	13	425
Productivity Enhancement	8	32	41	1,716
Industrial Start-up	2	2	2	91
Iowa Jobs Training Program	11	15	15	1,059
Total	*	*	41	3,292

*Detailed data will not aggregate to overall total because several schools and companies were involved in more than one of the four categories.

Source: Iowa Department of Public Instruction, Career Education Division

Public libraries

Number of Public Libraries	Size of Community Served
8	Over 50,000
9	25,000-49,999
12	10,000-24,999
36	5,000-9,999
52	2,500-4,999
142	1,000-2,499
139	500-999
111	Under 500
4	Counties
Total 513	

	1981	%	1982	%	1983	%
Sources of library funds:						
Municipalities	$20,306,460	76.6	$17,484,656	75.4	$18,564,303	75.1
Counties	3,129,090	11.8	2,970,261	12.8	3,085,443	12.5
Federal Revenue Sharing	468,087	1.8	658,957	2.8	565,598	2.3
Other Federal Programs	312,058	1.2	37,159	0.2	50,389	0.2
Misc. Sources	2,295,044	8.7	2,046,234	8.8	2,471,664	10.0
Total Sources of Funds	$28,368,902		$24,772,820			
Uses of library funds:						
Personnel	$10,831,193	38.2	$12,157,101	49.1	$12,902,182	49.1
Library Materials	3,925,400	13.8	4,296,195	17.3	4,695,015	17.9
Plant Operation	2,358,099	8.3	2,841,765	11.5	3,139,606	11.9
All Other Costs	11,254,170	39.7	5,477,759	22.1	5,547,979	21.1
Total Uses of Funds	$28,368,862		$24,772,820			

	1981	1982	1983
Acquisitions:			
book titles	514,929	546,648	555,486
audio-visual titles	25,332	21,383	24,317
microforms/other	56,647	53,160	55,524
Holdings:			
book titles	7,945,442	8,030,242	8,459,395
periodical subscriptions	23,696	24,260	25,127
audio-visual titles	235,824	243,215	273,583
microforms	470,755	547,116	564,586
Circulation:			
print materials	14,980,907	16,456,342	17,304,120
non-print materials	708,157	762,749	899,327
statewide circulation per capita	8.37	9.15	9.6
Patron subject requests answered	1,244,531	1,435,250	1,431,827

Sources: State Library of Iowa, Office of Library Development.

Total Iowa energy consumption

PRIMARY ENERGY DELIVERIES

Energy Type	1976	1977	1978	1979	1980	1981	1982r	1983
Motor Gas (million gallons)	1,727.89	1,750.44	1,808.08	1,724.30	1,529.17	1,378.81	1,312.64	1,312.89
Distillate (million gallons)	852.31	856.40	879.14	878.07	660.31	570.52	572.42	589.82
Propane (million gallons)	693.69	661.89	567.55	511.24	367.63	328.53	363,07	311.63
Residual (million gallons)	25.20	17.42	13.82	9.19	4.64	2.06	.59	71.94
Aviation Fuel (million gallons)	84.63	90.21	88.61	74.78	80.03	92.65	79.09	7.63
Natural Gas (billion cf)	333.86	309.35	249.90	261.97	245.13	236.89	219.20	240.69
Coal and coke, bituminous and lignite (thousand net tons)	7,894.00	9,039.00	10,659.00	13,571.00	12,568.00	12,127.00	13,076.00	12,583.00
Uranium (6.1 kwh) Gross thermal energy	18.33	21.24	16.90	22.50	19.44	20.29	19.59	20.09
Hydroelectric (bil. kwh)	2.97	2.33	3.44	2.42	2.57	2.40	2.39	2.43

r = Revised.
E = Estimate.
Source: Energy 1983, Annual Report of the Iowa Energy Policy Council.

Iowa's primary energy use*

PERCENTAGE OF TOTAL BY SOURCE

Source	1976	1977	1978	1979	1980	1981	1982r	1983e
Nat. Gas	32.5%	29.1%	25.0%	24.4%	25.6%	26.1%	24.3%	23.4%
Gasoline	20.7	20.8	22.1	19.7	19.6	18.6	17.8	18.4
Distillate	11.5	11.5	10.9	11.2	9.5	8.6	8.7	9.2
LP	6.2	6.2	5.3	4.4	3.6	3.4	3.7	3.3
Aviation & Residual	1.4	1.4	1.3	1.1	1.1	1.3	1.1	1.2
Coal & Coke	18.1	18.1	25.7	29.7	30.9	31.5	34.1	33.8
Nuclear	6.8	6.8	5.3	7.0	6.8	7.5	7.3	7.7
Hydropower	2.9	2.9	3.9	2.5	2.8	2.9	2.9	3.1

r = Revised.
e = Estimate.
*Compiled from Form EIA-25 (actual deliveries to Iowa) and Iowa Commerce Commission data.
Source: Energy 1983, Iowa Energy Policy Council.

Major components of Iowa's energy cost

Energy Type	Cost (000)	Percent
Gasoline	$1,627,984	31.9%
Electricity	1,567,700	30.7%
Natural Gas	869,932	17.6%
Distillate	653,761	12.7%
Propane	215,025	4.2%
Aviation Fuel	111,507	2.2%
Coal (Industrial)	54,000	1.1%
1983 Total Energy Bill	$5,099,900,000	

Source: Energy 1983, Iowa Energy Policy Council.

Energy use on Iowa farms

Energy	Year	Diesel Million Gal.	Gasoline Million Gal.	L.P. Gas Million Gal.	Fuel Oil Million Gal.	Nat. Gas Million Cu. Ft.	Electricity Million Kilowatts	Coal 000 Tons	Wood 000 Cords
TOTAL ENERGY	1981	180.0	306.0	247.0	44.0	14.80	2945.5	10.5	159.0
USED	1983	182.0	218.0	251.9	33.5	14.90	3000.0	*	*
USAGE:									
Crop	1981	152.8	112.3	114.6	.3	1.25	441.8	—	.5
Production	1983	152.6	63.9	78.1	*	*	423.0	*	*
Livestock	1981	20.7	46.2	46.2	1.8	1.00	960.2	—	5.6
Production[1]	1983	24.9	36.6	63.2	*	*	990.0	*	*
General	1981	4.5	62.7	4.2	.8	.05	235.6	.2	1.6
Farm Use[2]	1983	2.7	50.8	4.3	*	*	309.0	*	*
Non-Farm	1981	2.0	84.8	82.0	41.1	12.50	1307.9	10.3	151.3
Use[3]	1983	1.8	66.7	106.3	*	*	1278.0	*	*
Total Gen. &	1981	6.5	147.5	86.2	41.9	12.55	1543.5	10.5	152.9
Non-Farm Use	1983	4.5	117.5	110.6	*	*	1587.0	*	*

[1]Includes livestock, dairy and poultry production.
[2]Includes energy uses in agriculture production but cannot be identified between crops and livestock uses.
[3]Includes fuel and electricity used in non-agricultural production uses, such as farm home, pleasure, and non-farm business.
*Sample variance too large for reliable estimate.
Source: Iowa Energy Policy Council; Iowa Crop and Livestock Reporting Service

Industrial electricity rates

Rank	State	¢/kWh	Rank	State	¢/kWh
1	Rhode Island (2)	4.68	26	Kansas (24)	2.90
2	Hawaii (4)	4.55	27	Maine (38)	2.90
3	Massachusetts (1)	4.51	28	Vermont (19)	2.87
4	New Jersey (3)	4.21	29	Nevada (31)	2.86
5	Connecticut (5)	4.12	30	Wisconsin (28)	2.85
6	New Hampshire (8)	4.02	31	Alabama (34)	2.84
7	New Mexico (21)	3.93	32	Utah (35)	2.78
8	Delaware (7)	3.72	33	Tennessee (43)	2.77
9	Michigan (10)	3.54	34	Texas (37)	2.73
10	California (9)	3.51	35	South Dakota (32)	2.65
11	Pennsylvania (11)	3.34	36	Ohio (40)	2.63
12	New York (13)	3.34	37	North Carolina (30)	2.63
13	Alaska (6)	3.26	38	Colorado (41)	2.57
14	Florida (18)	3.24	39	South Carolina (36)	2.55
15	Virginia (17)	3.22	40	Arkansas (29)	2.51
16	Arizona (15)	3.22	41	West Virginia (33)	2.43
17	Maryland & D.C. (16)	3.19	42	Oklahoma (39)	2.42
18	Mississippi (20)	3.16	43	Kentucky (44)	2.42
19	Indiana (27)	3.11	44	Nebraska (42)	2.27
20	Illinois (26)	3.10	45	Louisiana (45)	2.16
21	Missouri (25)	3.09	46	Wyoming (46)	1.56
22	Minnesota (14)	3.05	47	Idaho (47)	1.42
23	Georgia (23)	3.02	48	Oregon (48)	1.20
24	North Dakota (12)	3.01	49	Montana (49)	0.80
25	IOWA (22)	3.00	50	Washington (50)	0.50

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U.S. Average: 2.85¢ per kWh

Source: State Electricity Profiles, 3rd Edition, Electronics Consumers Resource Council, Page 205.

Energy use and cost by industry

SIC Code	Industry Group	BTU's (Trillions)	Cost (Million Dollars)
20	Food and kindred products	66.2	233.6
23	Apparel, other textile products	.2	1.3
24	Lumber and wood products	.7	4.1
25	Furniture and fixtures	.4	2.3
26	Paper and allied products	4.2	16.7
27	Printing and publishing	1.2	8.3
28	Chemicals, allied products	30.4	111.1
30	Rubber, misc. plastics products	6.5	29.2
32	Stone, clay, glass products	18.7	55.3
33	Primary metal industries	12.0	59.0
34	Fabricated metal products	3.3	19.2
35	Machinery, except electrical	16.1	84.7
36	Electric, electronic equipment	3.1	20.7
37	Transportation equipment	1.0	6.4
38	Instruments, related products	.1	.9
39	Misc. manufacturing indus.	.7	4.5

Source: 1982 Annual Survey of Manufactures. U.S. Department of Commerce, Bureau of the Census.

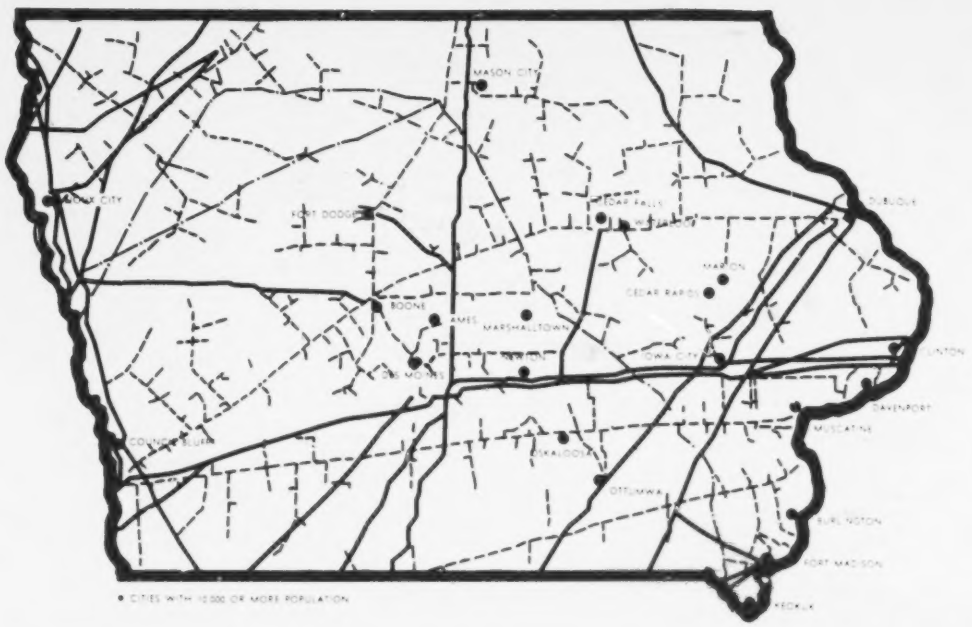
Typical residential electric bills*, 1983

communities (2,500 in population or larger)

	Lighting, Appliances, Refrigeration, Cooking						Lighting, Appliances, Refrigeration, Cooking						Lighting, Appliances, Refrigeration, Cooking					
	Water Heating				Space Heating		Water Heating				Space Heating		Water Heating				Space Heating	
	250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh		250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh		250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh	
Iowa						Iowa						Iowa						
Adel	19.33	34.66	49.98	65.31	117.98	Dubuque	18.54	33.96	45.18	60.22	128.40	† Mount Pleasant	25.74	41.36	56.98	71.05	153.06	
Adel	20.60	37.21	53.81	70.41	170.03	Dyersville	20.23	37.31	49.41	65.79	134.82	Mount Vernon	18.16	32.44	44.56	55.69	116.24	
Albia	16.55	30.41	41.69	54.06	119.29	Eagle Grove	23.56	42.16	53.06	71.42	143.66	Mount Vernon	18.16	32.44	46.06	59.69	135.24	
Albia	16.55	30.41	41.69	54.06	135.25	Eldora	18.16	32.44	44.56	55.69	116.24	† Muscatine	12.80	23.70	30.37	39.86	93.57	
† Algona	18.10	31.20	40.55	51.90	123.00	Eldora	18.16	32.44	46.06	59.69	135.24	Nevada	18.16	32.44	44.56	55.69	116.24	
Altoona	19.33	34.66	49.98	65.31	117.98	† Eldridge	18.11	33.11	48.11	63.11	155.11	Nevada	18.16	32.44	46.06	59.69	135.24	
Altoona	20.60	37.21	53.81	70.41	170.03	† Eldridge	18.19	34.07	49.94	65.82	161.07	† New Hampton	16.03	29.26	41.79	54.32	125.30	
† Ames	21.01	36.23	50.69	65.16	150.23	Emmetsburg	23.56	42.16	53.06	71.42	143.66	Newton	16.94	30.23	38.54	51.82	125.64	
† Ames	22.96	41.43	59.64	77.86	178.65	† Estherville	18.84	33.78	45.88	57.97	130.53	Newton	17.03	30.80	38.92	52.67	132.54	
Anamosa	→ 18.16	32.44	44.56	55.69	116.24	Evansdale	23.56	42.16	53.06	71.42	143.66	Norwalk	19.33	34.66	49.98	65.31	117.98	
Anamosa	18.16	32.44	46.06	55.69	135.24	Fairfield	18.16	32.44	44.56	55.69	116.24	Norwalk	20.60	37.21	53.81	70.41	170.03	
Ankeny	19.33	34.66	49.98	65.31	117.98	Fairfield	18.16	32.44	46.06	59.69	135.24	Oelwein	20.23	37.31	49.41	65.79	134.82	
Ankeny	20.60	37.21	53.81	70.41	170.03	† Forest City	19.90	32.30	44.20	55.60	119.30	† Onawa	20.38	35.95	46.33	57.10	104.05	
† Asbestle	16.03	28.80	36.13	48.00	99.00	Fort Dodge	17.93	36.22	48.61	54.98	94.60	† Onawa	20.38	35.95	46.33	57.10	119.05	
† Atlantic	16.03	28.80	36.13	48.00	119.00	Fort Dodge	17.93	38.72	42.61	60.21	160.00	† Orange City	14.15	24.00	30.50	47.00	100.00	
Audubon	23.56	42.16	53.06	71.42	143.66	Fort Madison	13.66	25.19	30.91	41.52	73.50	Osage	15.93	29.85	43.53	56.20	124.75	
Belle Plaine	18.16	32.44	44.56	55.69	116.24	Fort Madison	13.66	25.19	31.47	43.00	112.18	Osceola	16.94	30.23	38.54	51.82	125.64	
Belle Plaine	18.16	32.44	46.06	59.69	135.24	Garner	18.16	32.44	44.56	55.69	116.24	Osceola	17.03	30.80	38.92	52.67	132.54	
Bettendorf	17.93	36.22	40.61	54.98	94.60	Garner	18.16	32.44	46.06	59.69	135.24	Oskaloosa	19.33	34.66	49.98	65.31	117.98	
Bettendorf	17.93	38.72	42.61	60.21	160.00	Glenwood	19.33	34.66	49.98	65.31	117.98	Oskaloosa	20.60	37.21	53.81	70.41	170.03	
† Bloomfield	18.82	32.72	46.53	59.35	131.70	Glenwood	20.60	37.31	53.81	70.41	170.03	Ottumwa	16.94	30.23	38.54	51.82	125.64	
Boone	18.16	32.44	44.56	55.69	116.24	Grinnell	16.94	30.23	38.54	51.82	125.64	Ottumwa	17.03	30.80	38.92	52.67	132.54	
Boone	18.16	32.44	46.06	59.69	135.24	Grinnell	17.03	30.80	38.92	52.67	132.54	† Pella	17.75	33.09	41.94	56.68	141.46	
Burlington	16.94	30.23	38.54	51.82	125.64	† Grundy Center	18.00	33.00	45.50	58.00	119.50	Perry	19.16	32.44	44.56	55.69	116.24	
Burlington	17.03	30.80	38.92	52.67	132.54	Hampton	23.56	42.16	53.06	71.42	143.66	Perry	18.16	32.44	46.06	59.69	135.24	
Camanche	17.93	36.22	40.61	54.98	94.60	† Harlan	15.85	29.85	37.85	45.85	93.85	Pleasant Hill	19.33	34.66	49.98	65.31	117.98	
Camanche	17.93	38.72	42.61	60.21	160.00	† Harlan	18.85	29.85	42.35	54.85	129.85	Pleasant Hill	20.60	37.21	53.81	70.41	170.03	
† Carlisle	15.60	29.20	42.00	54.00	104.40	† Hawarden	15.75	22.00	28.25	34.50	72.00	Red Oak	19.33	34.66	49.98	65.31	117.98	
† Carlisle	15.60	29.20	42.00	54.00	126.00	Hiawatha	18.16	32.44	44.56	55.69	116.24	Red Oak	20.60	37.21	53.81	70.41	170.03	
Carroll	23.56	42.16	53.06	71.42	143.66	Hiawatha	18.16	32.44	46.06	59.69	135.24	† Rock Rapids	12.62	20.25	27.88	35.50	81.25	
† Carter Lake	16.16	26.41	36.17	45.93	94.14	Humboldt	23.56	42.16	53.06	71.42	143.66	Sac City	23.56	42.16	53.06	71.42	143.66	
† Carter Lake	16.66	29.37	42.08	54.79	125.50	† Independence	19.70	34.90	50.10	65.30	151.50	Sheldon	23.56	42.16	53.06	71.42	143.66	
† Cedar Falls	17.18	30.18	43.18	53.78	113.78	† Indianola	15.60	28.51	40.66	52.81	116.93	Shenandoah	19.33	34.66	49.98	65.31	117.98	
† Cedar Falls	17.18	30.18	43.18	56.18	134.18	Iowa City	17.93	36.22	40.61	54.98	94.60	Shenandoah	20.60	37.21	53.81	70.41	170.03	
Cedar Rapids	18.16	32.44	44.56	55.69	116.24	Iowa City	17.93	38.72	42.61	60.21	160.00	† Sibley	16.55	29.80	43.40	56.85	131.70	
Cedar Rapids	18.16	32.44	46.06	59.69	135.24	Iowa Falls	18.16	32.44	44.56	55.69	116.24	† Sioux Center	12.99	22.14	31.29	40.44	95.34	
Centerville	16.94	30.23	38.54	51.82	125.64	Iowa Falls	18.16	32.44	46.06	59.69	136.24	Sioux City	24.03	43.00	54.12	72.87	146.53	
Centerville	17.03	30.80	38.92	52.67	132.54	Jefferson	18.16	32.44	44.56	55.69	116.24	† Spencer	14.00	24.00	34.00	44.00	89.00	
Chariton	16.94	30.23	38.54	51.82	125.64	Jefferson	18.16	32.44	46.06	59.69	135.24	Spirit Lake	18.16	32.44	44.56	55.69	116.24	
Chariton	17.03	30.80	38.92	52.67	132.54	Johnston	19.33	34.66	49.98	65.31	117.98	Spirit Lake	18.16	32.44	46.06	59.69	135.24	
Charles City	23.56	42.16	53.06	71.42	143.66	Johnston	20.60	37.21	53.81	70.41	170.03	Storm Lake	23.56	42.16	53.06	71.42	143.66	
Cherokee	23.56	42.16	53.06	71.42	143.66	Keokuk	13.66	25.19	30.91	41.52	73.50	† Story City	17.05	30.60	41.40	52.20	117.00	
Clarinda	19.33	34.66	49.98	65.31	117.98	Keokuk	13.66	25.19	31.47	43.00	112.18	† Story City	17.05	30.60	42.65	54.70	127.00	
Clarinda	20.60	37.21	53.81	70.41	170.03	Knoxville	19.33	34.66	49.98	65.31	117.98	Tama	18.16	32.44	44.56	55.69	116.24	
Clarion	23.56	42.16	53.06	71.42	143.66	Knoxville	20.60	37.21	53.81	70.41	170.03	Tama	18.16	32.44	46.06	59.69	135.24	
Clear Lake	20.23	37.31	49.41	65.79	134.82	† Lamoni	18.38	32.25	44.63	57.00	120.00	† Tipton	17.80	32.27	46.22	60.17	138.17	
Clinton	18.54	39.96	45.18	60.22	128.40	Le Claire	17.93	36.22	40.61	54.98	94.60	† Tipton	17.80	32.61	47.41	62.21	146.51	
Clinton	19.33	34.66	49.98	65.31	117.98	Le Claire	17.93	38.72	42.61	60.21	160.00	Urbandale	19.33	34.66	49.98	65.31	117.98	
Clive	20.60	37.21	53.81	70.41	170.03	Le Mars	23.56	42.16	53.06	71.42	143.66	Urbandale	20.60	37.21	53.81	70.41	170.03	
Coralville	17.93	36.22	40.61	54.98	94.60	Manchester	18.16	32.44	44.56	55.69	116.24	† Vinton	16.35	28.70	40.70	52.70	120.20	
Coralville	17.93	38.72	42.61	60.21	160.00	Manchester	18.16	32.44	46.06	59.69	135.24	Washington	16.94	30.23	38.54	51.82	125.64	
Council Bluffs	19.33	34.66	49.98	65.31	117.98	Maquoketa	18.16	32.44	44.56	55.69	116.24	Washington	17.03	30.80	38.92	52.67	132.54	
Council Bluffs	20.60	37.21	53.81	70.41	170.03	† Maquoketa	15.34	28.44	39.74	50.23	107.81	Waterloo	23.56	42.16	53.06	71.42	143.66	
Creston	20.23	37.31	49.41	65.79	134.82	Maquoketa	18.16	32.44	46.06	59.69	135.24	Waukon	20.23	37.31	49.41	65.79	134.82	
Creston	16.94	30.23	38.54	51.82	125.64	† Maquoketa	15.34	28.44	40.86	53.21	122.06	† Waverly	19.28	34.28	48.65	63.03	130.28	
Creston	17.03	30.80	38.92	52.67	132.54	Marion	18.16	32.44	44.56	55.69	116.24	† Waverly	19.28	34.28	48.65	63.03	133.03	
Davenport	17.93	36.22	40.61	54.98	94.60	Marion	18.16	32.44	46.06	59.69	135.24	† Webster City	17.12	30.87	44.22	57.57	128.37	
Davenport	17.93	38.72	42.61	60.21	160.00	Marshalltown	18.16	32.44	44.56	55.69	116.24	West Burlington	16.94	30.23	38.54	51.82	125.64	
De Witt	18.16	32.44	44.56	55.69	116.24	Marshalltown	18.16	32.44	46.06	59.69	135.24	West Burlington	17.03	30.80	38.92	52.67	132.54	
De Witt	18.16	32.44	46.06	59.69	135.24	Mason City	18.54	33.96	46.74	61.77	130.80	West Des Moines	19.33	34.66	49.98	65.31	117.98	
Decorah	20.23	37.31	49.41	65.79	134.82	Missouri Valley	19.33	34.66	49.98	65.31	117.98	West Des Moines	20.60	37.21	53.81	70.41	170.03	
† Denison	11.75	19.25	21.50	27.25	61.75	Missouri Valley	20.60	37.21	53.81	70.41	170.03	West Union	20.23	37.31	49.41	65.79	134.82	
Des Moines	19.52	35.00	50.48	65.96	119.15	Monticello	18.16	32.44	44.56	55.69	116.24	Windsor Heights	19.33	34.66	49.98	65.31	117.98	
Des Moines	20.81	37.58	54.35	71.11	171.73	Monticello	18.16	32.44	46.06	59.69	135.24	Windsor Heights	20.60	37.21	53.81	70.41	170.03	
												† Winterset	17.75	33.30	47.23	62.00	140.50	

*When a community is listed twice, the top is the winter rate, the bottom is the summer rate.
† = Served by publicly owned utility.
Source: Energy Information Administration, U.S. Department of Energy.

Natural gas



PIPELINES SERVING IOWA

CRUDE OIL or PETROLEUM PRODUCTS

NATURAL GAS (Northern Natural, National Gas Pipeline of America, Michigan-Wisconsin Pipeline Co.)

natural gas use in Iowa:

	Residential		Commercial		Industrial		Total	
	1982	1983[P]	1982	1983[P]	1982	1983[P]	1982	1983[P]
Customers (000)	675.7	678.4	80.7	81.1	1.9	1.9	758.5	761.6
Sales (Trillion BTU)	85.7	77.7	53.2	48.0	92.1	87.8	231.2	213.6
Revenues ($000,000)	397.8	423.0	227.6	239.3	339.8	352.7	966.3	1016.3
Average Monthly Revenues Per Customer	$49.06	$51.96	$235.03	$245.89	$14,903.51	$15,469.30	$106.16	$111.20

P = Preliminary.
Source: Gas Facts, American Gas Association, Arlington, Virginia, 1984.

Electric utility industry

	1970		1975		1980		1982		1983	
	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)
Residential	$157,430	6,262	$268,653	8,228	$481,302	9,913	622,640	9,761	699,499	10,377
Commercial/Industrial	147,654	8,553	288,457	11,282	268,777/294,644	5,375/9,040	332,190/373,444	5,255/8,970	371,874/389,485	5,523/9,060
Street and Highway Lighting	5,887	183	8,542	206	13,489	214	17,320	220	19,001	225
Other Public	4,128	232	7,411	301	14,087	360	18,688	333	21,556	395
Interdepartmental	428	26	502	31	790	36	37	1	30	1
IOWA total					$1,073,089	24,938	$1,364,319	26,540	$1,501,445	25,580

Source: Statistical Yearbook of the Electric Utility Industry 1983, Edison Electric Institute, Washington, D.C.

Bank deposits and loans (millions)

Total Gross Loans and Federal Funds Sold	1970	1975	1980	1981	1982	1983
Illinois	$22,023	$ 43,015	$ 84,317	$ 78,412	$ 98,704	$ 84,220
IOWA	53,848	7,437	13,136	13,756	14,151	14,007
Kansas	2,835	5,490	9,661	10,686	11,287	11,979
Minnesota	5,629	10,127	18,699	19,000	23,060	24,490
Missouri	6,909	11,304	20,442	22,206	24,142	23,723
Nebraska	2,166	4,103	7,190	8,070	8,525	8,672
S. Dakota	923	1,828	3,172	5,619	6,224	7,560
Wisconsin	6,869	10,207	16,708	17,288	18,232	18,954
Total Midwest	51,202	93,511	173,325	175,037	204,325	193,605

Total Deposits						
Illinois	$34,548	$ 59,446	$109,218	$ 89,205	$124,168	$ 98,611
IOWA	6,634	11,799	18,492	19,754	21,523	23,127
Kansas	5,017	8,791	14,077	15,184	16,549	18,035
Minnesota	9,139	14,739	25,485	25,281	30,028	31,240
Missouri	11,456	17,260	27,388	29,218	31,947	34,466
Nebraska	3,606	6,251	9,583	10,491	11,429	12,344
S. Dakota	1,571	2,914	4,535	6,540	6,703	7,886
Wisconsin	9,682	15,008	22,058	22,632	24,732	27,049
Total Midwest	81,653	136,208	230,836	189,087	267,079	252,758

Source: Iowa Department of Banking, F.D.I.C. Database.

Mortgage loans and contracts (millions)

	1970	1975	1980	1981	1982	1983
Illinois	$ 11,696	$ 20,388	$ 36,863	$ 36,808	$ 30,882	$ 32,596
IOWA	1,691	3,494	5,939	5,959	5,767	5,948
Kansas	1,884	3,631	6,233	6,384	6,156	6,934
Minnesota	2,907	5,179	8,456	8,344	7,034	6,605
Missouri	3,799	7,288	12,675	12,646	12,153	12,585
Nebraska	1,037	2,425	4,498	4,643	4,437	5,020
S. Dakota	212	454	857	866	832	850
Wisconsin	3,147	6,091	10,585	10,541	9,707	9,937
Total Midwest	26,373	43,771	86,106	86,191	76,968	80,475

Source: Federal Home Loan Bank Boards.

Insured commercial banks

	1970	1980	1981	1982
Number of banks	658	657	655	643
Total assets ($000,000)	$7,455	$21,734	$23,765	$25,468
Demand deposits ($000,000)	3,124	5,000	4,026	3,864
Time deposits ($000,000)	3,510	13,476	15,729	17,609
Total deposits ($000,000)	6,634	18,475	19,755	21,473
Securities ($000,000)	2,363	6,006	7,214	8,164
Cash, bank balances	1,104	N/A	N/A	N/A

N/A = Not Available.
Source: U.S. Department of Commerce, Statistical Abstract of the U.S., 1970-1984.

Savings and loan associations

	1970	1979	1980	1981
Number of associations	83	78	74	70
Total assets ($000,000)	$1,966	$6,815	$7,169	$7,360
First mortgage loans ($000,000)	1,691	5,743	5,927	5,970
Savings capital ($000,000)	1,691	5,704	6,078	6,091

Source: U.S. Department of Commerce, Statistical Abstract of the U.S., 1970-1984.

Chattel or small loan companies

	1970	1981	1982	1983
Number of offices	358	180	171	173
Number of accounts	107,991	49,665	37,285	31,189
Loans made during year ($000)	53,724	30,625	25,981	30,616,994
Loans charged off during year ($000)	1,783	3,666	1,791	1,342,944
Total gross loans pending ($000)	47,974	33,264	33,422	31,521,632

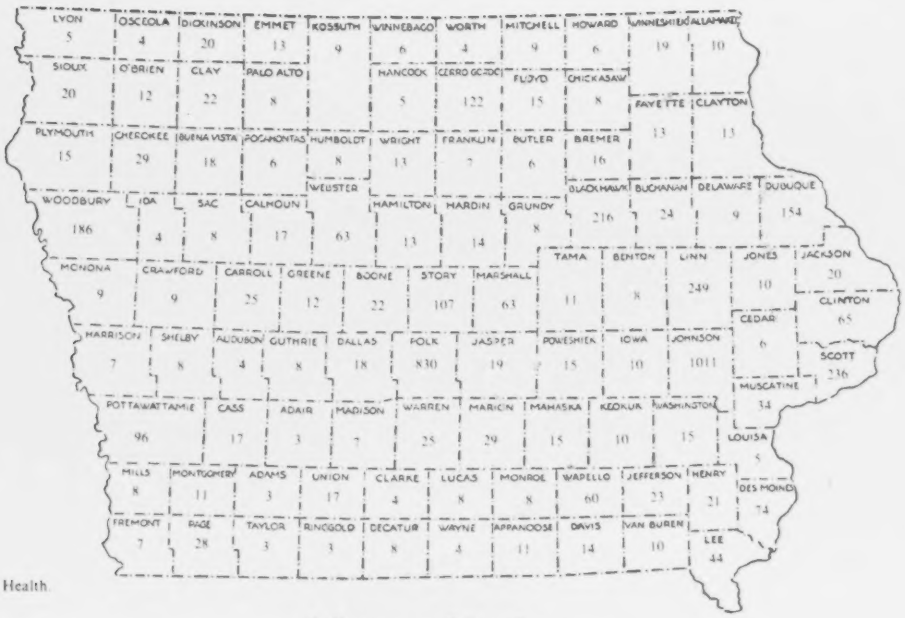
Source: State of Iowa, Annual Report of the Superintendent of Banking.

Chartered credit unions

	1970	1980	1981	1982	1983
Number (after January 1)	426	381	364	348	337
Total assets ($000)	205,599	660,560	722,880	842,439	948,638
Loans ($000)	150,265	479,044	488,107	483,817	553,053
Shares and deposits ($000)	181,093	591,158	640,754	750,489	860,592

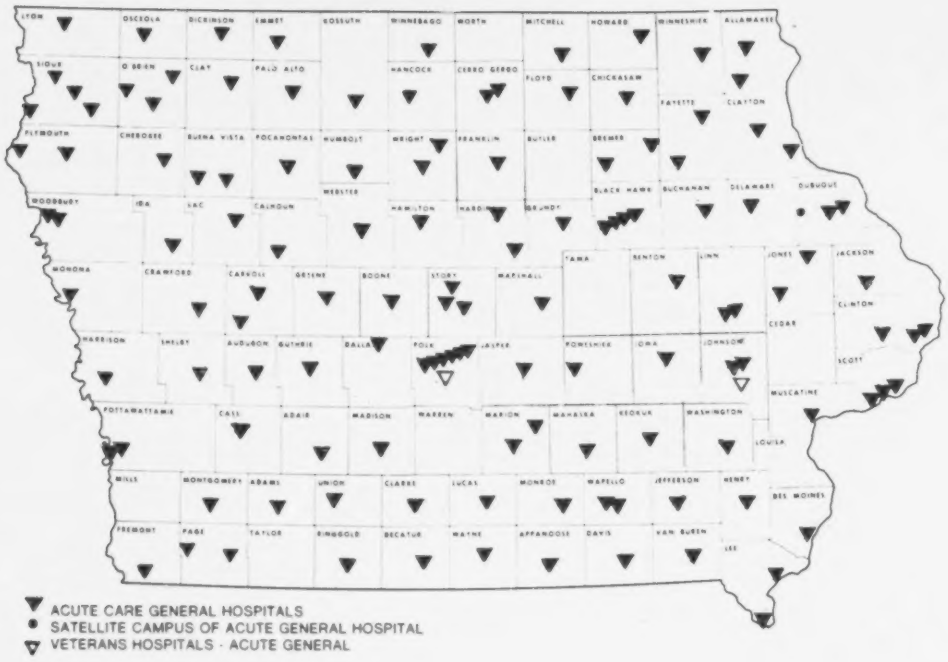
Source: State of Iowa, Annual Report of the Credit Union Department.

Number of physicians (M.D. and D.O.), 1983



Source: Iowa Department of Health.

Hospitals



Source: Iowa State Department of Health, Office for Health Planning & Development.

Causes of death

	Occurrence	
	Number	Rate per 100,000 pop.
Tuberculosis, All Forms	7	0.2
Tuberculosis of Respiratory System	7	0.2
Other Tuberculosis	—	—
Syphilis	2	0.1
Other Infective and Parasitic Diseases	208	7.1
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues	5,680	194.9
Malignant Neoplasms of Lip, Oral Cavity, and Pharynx	77	2.6
Malignant Neoplasms of Digestive Organs and Peritoneum	1,625	55.8
Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,363	46.8
Malignant Neoplasms of Breast	486	16.7
Malignant Neoplasms of Genital Organs	678	23.3
Malignant Neoplasms of Urinary Organs	279	9.6
Malignant Neoplasms of All Other and Unspecified Sites	588	20.2
Leukemia	263	9.0
Other Neoplasms of Lymphatic and Hematopoietic Tissues	321	11.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature	62	2.1
Diabetes Mellitus	486	16.7
Anemias	51	1.8
Meningitis	8	0.3
Major Cardiovascular Diseases	14,202	487.4
Diseases of Heart	10,770	369.6
Rheumatic Fever and Rheumatic Heart Disease	86	3.0
Hypertensive Heart Disease	194	6.7
Hypertensive Heart and Renal Disease	70	2.4
Ischemic Heart Disease	8,246	283.0
Acute Myocardial Infarction	4,829	165.7
Other Acute and Subacute Forms of Ischemic Heart Disease	34	1.2
Angina Pectoris	—	—
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	3,373	115.8
Other Diseases of the Endocardium	98	3.4
All Other Forms of Heart Disease	2,076	71.2
Hypertension With or Without Renal Disease	120	4.1
Cerebrovascular Diseases	2,431	83.4
Intracerebral and Other Intracranial Hemorrhage	230	7.9
Cerebral Thrombosis and Unspecific Occlusions of Cerebral Arteries	412	14.1
Cerebral Embolism	15	0.5
All Other and Late Effects of Cerebrovascular Diseases	1,774	60.9
Arteriosclerosis	571	19.6
Other Diseases of Arteries, Arterioles, and Capillaries	310	10.6
Acute Bronchitis and Bronchiolitis	6	0.2
Pneumonia	809	27.8
Influenza	23	0.8
Bronchitis, Chronic and Unspecified	37	1.3
Emphysema	160	5.5
Asthma	42	1.4
Ulcer of the Stomach and Duodenum	108	3.7
Chronic Liver Disease and Cirrhosis	233	8.0
Cholelithiasis and Other Disorders of the Gallbladder	36	1.2
Nephritis, Nephrotic Syndrome, and Nephrosis	131	4.5
Acute Glomerulonephritis and Nephrotic Syndrome	5	0.2
Chronic Glomerulonephritis, Nephritis and Nephropathy, Not Specified, and Renal Sclerosis, Unspecified	30	1.0
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	96	3.3
Infections of Kidney	51	1.8
Hyperplasia of Prostate	20	0.7
Complications of Pregnancy, Childbirth, and the Puerperium	2	0.4
Congenital Anomalies	185	6.3
Certain conditions Originating in the Perinatal Period	175	6.0
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, and Respiratory Distress Syndrome	48	1.6
Other Conditions Originating in the Perinatal Period	127	4.4
Symptoms, Signs, and Ill-Defined Conditions	128	4.4
All Other Diseases	2,283	78.3
Accidents and Adverse Effects	1,088	37.3
Motor Vehicle Accidents	498	17.1
All Other Accidents and Adverse Effects	590	20.2
Suicides	300	10.3
Homicide and Legal Intervention	66	2.3
Other External Causes	25	0.9

Source: Vital Statistics of Iowa 1982, Iowa State Department of Health.

Cases of notifiable diseases, 1982

Disease	Number of Reported Cases
Amebiasis	76
Asceptic Meningitis	102
Chickenpox	7,175
Encephalitis	48
Gonorrhea	4,850
Hepatitis A	79
Hepatitis B	94
Hepatitis non-A non-B	17
Hepatitis unspecified	30
Legionellois	24
Malaria	8
Meningococcal infections	13
Mumps	65
Pertussis	9
Rabies	377
Rubella	—
Salmonellosis	333
Shigeilosis	69
Syphillis	149
Tuberculosis	73

Source: Morbidity and Mortality Weekly Report, December 1983.

Registered hospitals, 1982

State	Hospitals	Number of Beds	Total Admissions	Occupancy Rate	Average Length[1] of Stay	Adjusted Expenses[1] Per In-Patient Days
United States	6,915	1,359,783	39,095,019	77.4	7.6	$327.37
Illinois	281	71,211	2,034,626	75.4	8.0	369.19
IOWA	139	20,481	552,453	72.1	8.0	259.90
Kansas	166	18,512	457,977	70.3	7.8	292.42
Minnesota	182	29,349	686,208	74.8	9.4	256.60
Missouri	169	34,249	992,699	75.3	8.0	327.76
Nebraska	110	11,841	325,642	69.9	8.4	259.93
Indiana	133	31,898	912,568	78.9	7.8	287.10
Ohio	237	62,683	1,890,232	79.9	8.1	324.62
South Dakota	68	5,674	144,751	68.8	8.7	217.11
Wisconsin	163	28,967	787,717	73.5	8.3	283.39

[1]Community hospitals only.
Source: Hospital Statistics, 1983 Edition, American Hospital Association.

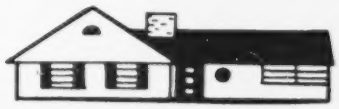
Licensed medical professionals[1]

	1980	1981	1982	1983	1984
Chiropractors	1,067	1,078	1,088	1,116	1,123
Dentists	2,543	2,411	2,440	2,356	2,460
Dental Hygienists	930	838	862	834	1,091
LPN's[2]	6,696	9,696	10,759	11,395	11,252
MD's	7,045	7,049	7,420	7,594	8,080
Optometrists	509	554	563	571	575
Osteopathic Physicians	293	233	219	182	159
Osteopathic Physicians and Surgeons	673	726	787	780	855
Physical Therapists	667	633	677	645	778
Podiatrists	150	156	142	144	154
RN's[2]	26,580	26,031	28,293	29,749	30,240

[1]Estimated as of October, 1984.
[2]Total active license holders.
Source: Iowa Board of Nursing, Iowa Department of Health.

Housing

Housing units, 1980



Units	All Housing Units	Total Year-Round Housing Housing Units	Owner Occupied Number	Owner-Median Value (Dollars)
Iowa	1,121,314	1,053,033	756,517	40,600
Urban	669,820	634,153	432,103	42,600
Rural	451,494	418,880	324,414	35,100
Inside SMSA's	442,907	420,658	288,607	46,500
In Central Cities	266,477	264,634	172,148	44,500
Not in Central Cities	95,433	93,322	65,700	51,300
Outside SMSA's	678,407	632,375	467,910	35,900
Standard Metropolitan Statistical Areas				
Cedar Rapids	64,778	61,700	44,025	46,600
Davenport-Rock Island-Moline, Iowa-Ill.	144,928	138,256	95,961	48,300
Des Moines	134,313	126,330	85,918	48,500
Dubuque	31,506	30,021	21,655	48,600
Iowa City	31,583	30,220	16,335	58,400
Omaha, Neb.-Iowa	215,747	203,235	131,667	39,500
Sioux City	45,151	42,348	30,058	35,900
Waterloo	50,290	48,205	34,441	46,400
Places of 2,500 Inhabitants or More				
Adel	1,208	1,077	842	46,600
Albia	1,900	1,778	1,269	28,100
Algona	2,512	2,382	1,703	44,900
Altoona	1,964	1,872	1,361	56,300
Ames	14,809	14,015	6,573	62,000
Anamosa	1,654	1,559	1,082	38,800
Ankeny	5,611	5,258	3,308	60,000
Atlantic	3,353	3,141	2,232	37,700
Audubon	1,230	1,165	946	36,100
Belle Plaine	1,303	1,222	919	24,700
Belmond	1,060	1,015	753	40,100
Bettendorf	9,668	9,333	6,927	60,700
Bloomfield	2,849	1,201	861	32,800
Boone	5,316	5,005	3,580	37,200
Burlington	12,090	11,325	7,979	35,000
Camanche	1,654	1,603	1,279	44,900
Carlisle	1,092	1,040	832	52,000
Carroll	3,545	3,398	2,442	46,500
Carter Lake	1,127	1,074	949	27,000
Cedar Falls	12,189	11,712	7,890	54,500
Cedar Rapids	43,532	41,662	28,357	45,400
Centerville	,945	2,708	1,809	24,100
Chariton	2,345	2,169	1,542	30,300
Charles City	3,576	3,401	2,538	36,500
Cherokee	2,863	2,689	1,823	34,800
Clarinda	2,285	2,094	1,432	33,600
Clear Lake	3,731	2,949	2,128	47,100
Clinton	12,895	12,261	8,722	36,600
Clive	2,342	2,195	1,229	85,700
Coralville	3,672	3,491	1,161	56,200
Council Bluffs	21,949	20,872	14,233	30,100
Cresco	1,646	1,576	1,240	32,400
Creston	3,642	3,403	2,473	30,900
Davenport	40,294	38,024	23,684	47,900
Decorah	2,653	2,558	1,602	45,000
Denison	2,568	2,429	1,749	43,200
Des Moines	79,913	75,249	48,432	41,700
De Witt	1,789	1,707	1,226	48,600
Dubuque	22,160	21,107	14,132	47,500
Dyersville	1,334	1,295	1,057	47,000
Eagle Grove	1,736	1,614	1,183	32,900
Eldora	1,340	1,239	932	36,400
Eldridge	1,034	976	697	62,300
Emmetsburg	1,805	1,665	1,216	36,200
Estherville	3,075	2,854	2,112	36,300
Evansdale	1,669	1,622	1,328	36,800
Fairfield	3,455	3,311	2,313	35,000
Forest City	1,694	1,538	1,143	38,400
Fort Dodge	11,636	11,120	7,410	40,700
Fort Madison	5,328	5,043	3,536	33,600
Garner	1,063	1,015	848	42,600
Glenwood	1,759	1,662	1,153	38,700
Grinnell	3,279	3,119	2,067	43,600
Grundy Center	1,185	1,134	913	42,600
Hampton	2,016	1,854	1,349	37,100
Harlan	2,212	2,075	1,542	38,100
Hawarden	1,120	1,053	814	31,100
Hiawatha	1,989	1,895	1,249	50,500
Humboldt	2,024	1,904	1,408	44,200
Independence	2,463	2,354	1,726	38,000
Indianola	4,104	3,880	2,579	51,700
Iowa City	19,235	18,594	8,773	58,600
Iowa Falls	2,444	2,318	1,639	38,500
Jefferson	2,024	1,921	1,502	37,100
Johnston	1,013	857	647	60,400
Keokuk	5,667	5,224	3,674	28,300
Knoxville	3,141	2,977	2,126	36,800
Lamoni	850	779	529	32,800
LeClaire	1,035	994	791	48,100
LeMars	3,095	2,961	2,045	45,100
Manchester	2,045	1,942	1,424	39,900
Maquoketa	2,655	2,504	1,751	40,100
Marion	7,194	6,863	5,215	49,500
Marshalltown	10,771	10,244	7,083	41,700
Mason City	12,617	11,884	8,293	39,300
Missouri Valley	1,321	1,232	865	27,400
Monticello	1,492	1,425	1,077	39,700
Mount Pleasant	2,823	2,611	1,816	41,800
Mount Vernon	1,006	937	668	46,000
Muscatine	8,975	8,517	6,050	42,300
Nevada	2,402	2,230	1,651	45,900
New Hampton	1,588	1,511	1,136	44,100
Newton	6,471	6,143	4,340	37,900
Norwalk	861	835	649	51,900
Oelwein	3,069	2,890	2,268	34,700
Onawa	1,396	1,315	1,008	30,200
Orange City	1,529	1,456	1,153	46,500
Osage	1,610	1,527	1,206	34,300
Osceola	1,806	1,657	1,199	30,600
Oskaloosa	4,777	4,458	3,011	32,300
Ottumwa	11,459	10,914	8,269	26,000
Pella	3,070	2,919	2,041	48,300
Perry	2,980	2,764	1,929	34,300
Pleasant Hill	1,182	1,088	921	58,100
Red Oak	3,021	2,819	2,019	34,500
Rock Rapids	1,182	1,099	841	36,900
Rock Valley	994	949	755	38,000
Sac City	1,284	1,212	888	32,400
Sheldon	5,003	1,846	1,370	39,100
Shenandoah	2,834	2,616	1,681	30,200
Sibley	1,234	1,171	932	34,500
Sioux Center	1,470	1,420	1,071	47,800
Sioux City	32,007	30,098	21,139	35,800
Spencer	4,803	4,550	3,043	45,000
Spirit Lake	1,717	1,537	1,103	43,700
Storm Lake	3,363	3,243	2,221	43,400
Story City	1,137	1,074	771	48,000
Tama	1,194	1,119	861	28,200
Tipton	1,317	1,255	900	41,700
Urbandale	6,904	6,412	4,420	68,600
Vinton	2,157	1,991	1,472	36,200
Washington	2,772	2,618	1,908	36,200
Waterloo	29,545	28,349	19,847	43,700
Waukon	1,654	1,558	1,180	34,800
Waverly	2,985	2,895	2,055	50,400
Webster City	3,433	3,243	2,392	40,300
West Burlington	1,466	1,409	988	38,800
West Des Moines	8,927	8,312	5,410	66,100
West Liberty	1,042	990	726	42,800
West Union	1,118	1,074	821	36,000
Wilton	963	910	660	47,300
Windsor Heights	2,217	2,159	1,709	69,000
Winterset	1,732	1,638	1,173	36,300

Source: General Housing Characteristics, 1980 Census of Housing, Bureau of the Census.

Median value of housing units, 1980

State	Total Housing Units	Owner Occupied			Renter Occupied		
		Total	Median Value (Dollars)	Vacancy Rate	Total	Median Contract Rent (Dollars)	Vacancy Rate
Illinois	4,316,973	2,531,697	52,800	1.8	1,511,047	201	6.9
Indiana	2,091,725	1,381,969	37,200	1.6	545,009	166	8.5
IOWA	1,121,314	756,517	40,600	1.6	296,466	175	7.3
Kansas	954,906	612,435	37,800	2.3	259,804	168	9.2
Minnesota	1,613,342	1,036,029	53,100	1.5	409,587	212	5.8
Missouri	1,989,259	1,249,034	36,700	2.0	544,686	153	9.0
Nebraska	624,829	390,931	38,000	2.0	180,469	170	7.9
North Dakota	258,772	156,498	43,900	2.6	71,166	175	8.9
Ohio	4,107,983	2,622,880	44,900	1.5	1,210,826	167	7.7
South Dakota	276,997	168,002	36,600	2.1	74,521	148	10.1
Wisconsin	1,863,981	1,127,419	48,600	1.3	524,935	185	5.0

Source: U.S. Department of Commerce, Bureau of the Census, 1980 Census of Housing, "Selected Housing Characteristics, by States and Counties."

Housing units by county

Counties	Total Housing Units	Occupied Housing Units			
		Owner Occupied		Renter Ocupied	
		Total	Median Value (Dollars)	Total	Median Contract Rent (Dollars)
Iowa	1,121,314	756,517	40,600	296,466	175
Adair	3,963	2,753	27,800	862	104
Adams	2,478	1,703	23,500	513	104
Allamakee	6,578	4,011	32,900	1,204	119
Appanoose	6,706	4,565	21,200	1,446	112
Audubon	3,524	2,458	31,100	734	109
Benton	9,090	6,523	34,700	2,038	147
Black Hawk	50,290	34,441	46,400	13,764	205
Boone	10,427	7,208	37,700	2,523	155
Bremer	8,811	6,585	46,900	1,869	161
Buchanan	8,222	5,982	37,000	1,690	146
Buena Vista	8,198	5,461	38,900	2,212	138
Butler	6,779	5,037	34,900	1,319	124
Calhoun	5,782	3,766	29,500	1,347	123
Carroll	8,379	5,816	38,900	2,053	156
Cass	7,025	4,748	31,600	1,776	123
Cedar	7,312	4,918	42,000	1,853	152
Carro Gordo	20,931	13,391	40,600	5,303	168
Cherokee	6,475	4,261	34,100	1,738	122
Chickasaw	5,701	4,244	39,300	1,115	137
Clarke	3,715	2,554	28,900	802	140
Clay	8,043	5,093	42,000	2,284	166
Clayton	8,557	5,673	32,300	1,814	119
Clinton	21,370	14,970	39,100	5,375	182
Crawford	7,094	4,982	34,800	1,679	151
Dallas	11,555	8,077	42,700	2,611	155
Davis	3,579	2,564	28,400	714	116
Decatur	3,974	2,565	21,100	893	103
Delaware	6,542	4,839	37,700	1,380	130
Des Moines	18,567	12,746	37,500	4,604	157
Dickinson	10,187	4,604	43,800	1,429	154
Dubuque	31,506	21,655	48,600	8,366	176
Emmet	5,268	3,556	35,100	1,288	150
Fayette	9,721	7,112	32,400	1,981	126
Floyd	7,587	5,485	36,700	1,599	137
Franklin	5,421	3,632	35,000	1,378	151
Fremont	4,016	2,568	25,100	1,020	109
Greene	5,020	3,385	29,300	1,297	120
Grundy	5,480	3,934	42,000	1,294	151
Guthrie	5,287	3,458	26,600	1,114	108
Hamilton	7,144	4,834	37,600	1,789	148
Hancock	5,410	3,766	36,100	1,236	142
Hardin	8,799	6,023	35,000	2,138	147
Harrison	6,357	4,406	26,800	1,551	108
Henry	7,241	5,120	37,300	1,587	149
Howard	4,271	3,159	29,300	853	109
Humboldt	5,017	3,411	37,400	1,209	146
Ida	3,634	2,436	30,300	933	109
Iowa	5,872	4,253	35,200	1,345	148
Jackson	8,564	5,784	38,600	1,848	134
Jasper	14,447	10,140	37,700	3,424	152
Jefferson	6,034	4,239	33,300	1,477	136
Johnson	31,583	16,335	58,400	13,885	212
Jones	7,349	5,234	35,600	1,697	128
Keokuk	5,398	3,899	21,500	985	108
Kossuth	8,243	5,639	37,600	2,167	136
Lee	16,684	11,673	33,800	3,945	158
Linn	64,778	44,025	46,600	17,745	208
Louisa	4,828	3,274	35,700	944	140
Lucas	4,503	3,085	28,200	960	109
Lyon	4,776	3,385	32,700	1,103	108
Madison	4,967	3,494	36,000	1,081	123
Mahaska	9,151	6,085	32,400	2,362	151
Marion	11,021	7,743	39,600	2,579	165
Marshall	16,338	11,005	40,500	4,405	177
Mills	4,832	3,422	35,300	1,115	146
Mitchell	4,735	3,547	31,900	885	119
Monona	4,877	3,321	25,800	1,147	101
Monroe	3,822	2,719	26,700	791	116
Montgomery	5,800	3,851	30,900	1,419	128
Muscatine	15,245	10,449	43,400	3,755	178
O'Brien	6,659	4,770	34,400	1,484	121
Osceola	3,266	2,299	25,700	751	126
Page	8,073	5,041	30,000	2,276	119
Palo Alto	5,244	3,352	31,700	1,272	138
Plymouth	8,860	6,203	40,900	2,222	145
Pocahontas	4,661	3,086	29,200	1,184	118
Polk	122,136	76,856	48,100	37,961	229
Pottawattamie	32,395	22,197	32,300	8,584	170
Poweshiek	8,075	4,886	37,300	1,979	153
Ringgold	2,975	1,871	20,100	538	105
Sac	6,073	3,918	30,200	1,435	110
Scott	59,764	38,028	51,700	18,649	226
Shelby	5,611	3,831	33,800	1,387	118
Sioux	10,414	7,788	40,000	2,127	123
Story	25,154	13,812	55,100	9,853	208
Tama	7,716	5,423	32,400	1,663	124
Taylor	3,682	2,505	21,200	779	100
Union	5,748	3,973	28,400	1,341	130
Van Buren	3,484	2,570	19,600	625	100
Wapello	16,350	12,039	25,900	3,397	151
Warren	12,177	9,062	51,300	2,451	185
Washington	7,693	5,400	37,000	1,813	145
Wayne	3,852	2,585	19,900	730	100
Webster	17,799	11,855	39,500	5,031	162
Winnebago	5,251	3,623	36,200	1,222	129
Winneshiek	7,420	5,160	38,800	1,903	144
Woodbury	39,022	25,993	35,600	10,639	170
Worth	3,724	2,686	33,300	766	119
Wright	6,945	4,490	34,500	1,735	126

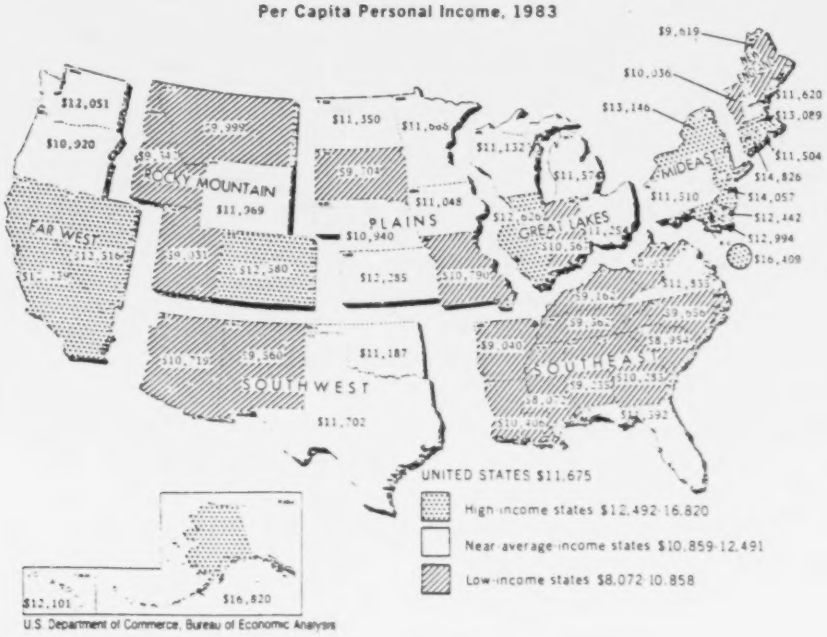
Source: U.S. Department of Commerce, Bureau of the Census, 1980 Census of Housing, "Selected Housing Characteristics, by States and Counties."

Income

Per capita personal income

	1970	1975	1980r	1981r	1982r	1983p
Illinois	$4,507	$6,735	$10,470	$11,621	$12,091	$12,626
Indiana	3,772	5,609	8,900	9,760	9,994	10,567
IOWA	3,751	5,894	9,335	10,733	10,754	11,048
Kansas	3,853	5,958	9,943	11,222	11,717	12,285
Minnesota	3,859	5,779	9,691	10,683	11,155	11,666
Missouri	3,781	5,476	8,720	9,767	10,188	10,790
Nebraska	3,789	5,882	9,139	10,311	10,641	10,940
Ohio	4,020	5,778	9,431	10,278	10,667	11,254
South Dakota	3,123	5,009	8,028	9,220	9,582	9,704
Wisconsin	3,812	5,616	9,344	10,238	10,725	11,132
U.S.	3,966	5,861	9,503	10,582	11,100	11,675

Per Capita Personal Income, 1983



U.S. Department of Commerce, Bureau of Economic Analysis

r = Revised.
p = Preliminary.
Source: Survey of Current Business, April 1984, U.S. Department of Commerce.

Total personal income (billions)

	1970	1975	1980r	1981r	1982r	1983p
Illinois	$50.15	$75.42	$119.70	$132.92	$138.46	$145.02
Indiana	19.62	29.80	48.85	53.49	54.84	57.90
IOWA	10.62	16.82	27.19	31.30	31.33	32.09
Kansas	8.67	13.58	23.54	26.81	28.29	29.30
Minnesota	14.72	22.66	39.57	43.95	46.21	48.35
Missouri	17.73	26.10	42.94	48.23	50.42	53.63
Nebraska	5.64	9.08	14.36	16.30	16.94	17.47
Ohio	42.87	62.03	101.86	110.90	115.09	120.94
South Dakota	2.09	3.41	5.54	6.38	6.68	6.79
Wisconsin	16.88	25.77	44.18	48.48	51.03	52.89

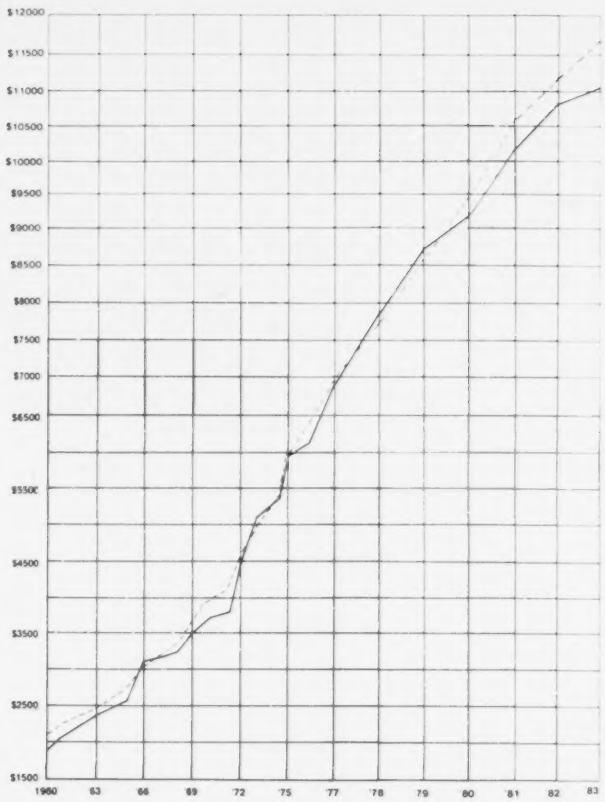
r = Revised.
p = Preliminary.
Source: Survey of Current Business, April, 1984, U.S. Department of Commerce.

Personal income by source, 1983 (millions)

Income by place of work	Illinois	Indiana	IOWA	Kansas	Minnesota	Missouri	Nebraska	Ohio	South Dakota	Wisconsin
Total labor and proprietors income	$99,573	$41,139	$19,816	$19,801	$35,974	$39,550	$12,267	$85,844	$4,487	$37,609
By type										
Wages and salary disbursements	85,758	34,823	16,195	15,794	29,845	33,474	9,865	73,310	3,276	31,075
Other labor income	8,984	4,132	1,782	1,732	3,191	3,596	995	8,193	334	3,487
Proprietors income	4,830	2,184	1,838	2,276	2,939	2,480	1,407	4,341	877	3,046
Farm	−542	−117	−138	547	669	−43	357	125	431	895
Nonfarm	5,372	2,301	1,976	1,728	2,270	2,524	1,050	4,216	446	2,151
By industry										
Farm	−232	64	185	825	1,001	151	642	325	549	1,343
Nonfarm	99,805	41,075	19,361	18,976	34,973	39,399	11,625	85,518	3,938	36,266
Private	85,778	35,639	16,389	15,543	29,766	33,487	9,289	73,982	3,037	30,558
Manufacturing	25,436	15,545	5,157	4,054	9,075	9,835	1,848	30,032	500	12,192
Mining	1,006	335	41	533	262	187	45	848	73	46
Contract construction	4,691	2,026	952	1,094	1,824	2,060	601	3,638	207	1,574
Wholesale trade	8,321	2,259	1,625	1,484	2,827	3,946	1,028	5,255	328	2,234
Retail trade	9,063	3,913	2,063	1,863	3,581	3,890	1,217	7,988	481	3,451
Finance insurance and real estate	7,865	1,947	1,268	1,071	2,294	2,376	903	4,210	241	1,966
Transportation and public utilities	8,185	3,074	1,510	1,675	2,893	4,155	1,363	5,933	350	2,440
Services	20,964	6,456	3,676	3,495	6,886	7,923	2,228	15,652	832	6,490
Government and government enterprises	14,027	5,435	3,242	3,433	5,207	5,912	2,337	11,536	901	5,708
Derivation of personal income by place of residence										
Total labor and proprietors income by place of work	99,573	41,139	19,816	19,801	35,974	39,550	12,267	85,844	4,487	37,609
Less: Personal contributions for social insurance by place of work	6,059	2,472	1,311	1,215	2,328	2,414	760	5,171	285	2,227
Plus: Adjustment for residence	479	266	216	1,037	−66	2,062	−242	−759	10	340
Equals: Net earnings by place of residence	93,992	38,932	18,721	19,623	33,581	35,073	11,265	79,913	4,213	35,924
Plus: Dividends, interest & rent	28,149	10,255	7,629	6,143	9,395	11,081	4,253	20,876	1,623	9,898
Plus: Transfer payments	20,347	8,214	4,743	3,937	6,396	8,366	2,390	19,736	1,056	8,113
Total personal income by place of residence	142,488	57,401	31,092	29,703	49,371	54,520	17,909	120,525	6,891	53,935

Source: Survey of Current Business, August 1984, U.S. Department of Commerce.

U.S./Iowa per capita income



IOWA —
U.S. .....

	U.S.	IOWA
1960	$2,222	$1,983
1965	2,785	2,754
1970	3,966	3,751
1971	4,195	3,865
1972	4,537	4,297
1973	4,980	5,168
1974	5,428	5,329
1975	5,852	5,867
1976	6,402	6,123
1977	6,984	6,971
1978	7,776	8,041
1979	8,657	8,812
1980r	9,503	9,335
1981r	10,582	10,733
1982r	11,100	10,754
1983p	11,675	11,048

r = Revised.
p = Preliminary.
Source: Survey of Current Business, April, 1984, U.S. Department of Commerce.

Trend in state personal income by source (millions)

	1960	1965	1970	1975	1980	1981[r]	1982[r]	1983
Total labor & proprietors income	$5,568	$7,522	$10,609	$12,429	$19,120	$21,328	$20,093	19,816
By Type								
Wage & salary disbursements	3,021	3,876	5,808	8,992	14,930	15,879	15,860	16,195
Other labor income	111	198	333	735	1,436	1,543	1,634	1,782
Proprietors income	1,306	1,884	2,114	2,702	2,754	3,906	2,599	1,838
Farm	666	1,133	1,287	1,601	904	2,153	932	-138
Nonfarm	640	751	827	1,101	1,849	1,753	1,666	1,976
By Industry								
Farm	N/A	N/A	N/A	1,777				
Nonfarm	N/A	N/A	N/A	10,652	1,161	2,467	1,301	185
Manufacturing	912	1,233	1,791	3,044	17,959	18,861	18,791	19,631
Durables	N/A	N/A	1,019	(D)	5,253	5,559	5,139	5,157
Nondurables	N/A	N/A	773	(D)	3,382	3,550	3,163	3,115
Mining	14	19	26	50	1,871	2,009	1,977	2,042
Contract construction	194	229	367	733	50	43	40	41
Wholesale & retail trade	627	736	1,076	2,072	1,236	1,102	946	952
Wholesale trade	N/A	N/A	N/A	936	3,440	3,542	3,563	3,688
Retail trade	N/A	N/A	N/A	1,136	1,523	1,587	1,611	1,625
Finance, insurance & real estate	143	185	283	567	1,917	1,955	1,952	2,063
Transportation, communication & utilities	285	309	418	814	1,062	1,103	1,135	1,268
Services	292	409	653	1,518	1,357	1,430	1,463	1,510
Other industries	10	12	15	41	2,828	3,128	3,360	3,676
Government	470	678	1,098	711	2,661	2,873	3,060	3,242
Federal, civilian	99	139	213	262	388	419	439	468
Federal, military	24	17	18	33	42	38	44	54
State & local	348	523	867	1,417	2,231	2,416	2,577	2,720
Personal contributions for social insurance	109	154	331	637	1,080	1,215	1,260	1,311
Dividends, interest & rent	825	1,188	1,639	2,836	5,549	6,541	7,420	7,629
Transfer payments	414	542	1,047	2,037	3,465	3,897	4,455	4,743
Personal income by place of residence	N/A	N/A	N/A	16,783	27,193	30,699	30,904	31,092

r = Revised
N/A = Not Available.
Source: Survey of Current Business, August, 1984, U.S. Department of Commerce

Per capita income distribution

County	Total Personal Income (Millions of Dollars) 1980r	1981r	1982	Per Capita Personal Income (Dollars) 1980r	1981r	1982
IOWA	$27,189	$31,303	$31,330	$ 9,335	$10,733	$10,754
Adair	73	92	91	7,659	9,749	9,774
Adams	42	54	54	7,432	9,602	9,658
Allamakee	104	126	131	6,908	8,338	8,773
Appanoose	113	130	131	7,258	8,418	8,607
Audubon	68	87	83	8,036	10,285	9,825
Benton	200	236	228	8,467	9,929	9,748
Black Hawk	1,409	1,560	1,549	10,190	11,275	11,186
Boone	249	289	286	9,515	11,019	10,977
Bremer	221	257	253	8,872	10,327	10,155
Buchanan	182	220	212	7,953	9,565	9,173
Buena Vista	199	237	220	9,581	11,390	10,508
Butler	144	175	166	8,127	9,865	9,450
Calhoun	135	165	152	9,986	12,242	11,386
Carroll	211	255	257	9,221	11,097	11,251
Cass	155	188	186	9,186	11,117	10,946
Cedar	155	195	193	8,327	10,493	10,387
Cerro Gordo	465	535	539	9,600	11,086	11,151
Cherokee	144	174	170	8,922	10,793	10,618
Chickasaw	123	148	143	7,975	9,634	9,377
Clarke	66	78	78	7,602	9,008	8,927
Clay	187	216	207	9,555	11,038	10,698
Clayton	160	197	199	7,621	9,425	9,497
Clinton	530	604	601	9,305	10,634	10,564
Crawford	167	202	195	8,835	10,554	10,166
Dallas	266	310	312	8,971	10,514	10,584
Davis	65	77	78	7,148	8,407	8,441
Decatur	60	69	72	6,080	7,169	7,490
Delaware	133	172	172	7,021	9,080	9,131
Des Moines	435	483	487	9,416	10,470	10,662
Dickinson	142	169	167	9,088	10,766	10,652
Dubuque	889	968	957	9,488	10,313	10,323
Emmet	123	147	135	9,297	10,992	10,170
Fayette	194	239	233	7,622	9,415	9,244
Floyd	162	192	187	8,277	9,976	9,688
Franklin	108	140	131	8,290	10,795	10,203
Fremont	80	98	92	8,571	10,644	9,919
Greene	132	159	148	10,935	13,165	12,422
Grundy	139	171	163	9,683	12,104	11,506
Guthrie	95	117	114	7,938	9,848	9,760
Hamilton	175	214	203	9,826	12,013	11,418
Hancock	122	153	144	8,812	11,121	10,462
Hardin	209	248	242	9,579	11,452	11,152
Harrison	136	161	155	8,342	9,927	9,585
Henry	157	183	183	8,290	9,764	9,764
Howard	82	104	101	7,421	9,384	9,224
Humboldt	122	148	138	9,939	12,108	11,391
Ida	81	100	95	9,074	11,358	10,823
Iowa	133	161	161	8,673	10,449	10,507
Jackson	166	199	201	7,389	8,850	8,975
Jasper	$ 332	$ 383	$ 385	$9,115	$10,535	$10,631
Jefferson	134	152	148	8,202	9,410	9,029
Johnson	718	819	867	8,754	9,906	10,323
Jones	150	184	183	7,348	8,945	9,004
Keokuk	108	133	134	8,371	10,390	10,593
Kossuth	193	244	227	8,827	11,246	10,509
Lee	383	430	428	8,904	10,026	9,970
Linn	1,809	1,968	2,004	10,635	11,569	11,845
Louisa	91	113	109	7,582	9,220	8,967
Lucas	87	102	106	8,407	9,849	10,198
Lyon	111	140	133	8,630	10,929	10,439
Madison	95	112	112	7,541	8,870	8,848
Mahaska	193	226	226	8,622	9,904	9,911
Marion	272	317	322	9,142	10,594	10,693
Marshall	423	482	490	10,175	11,532	11,662
Mills	113	135	133	8,432	9,944	9,785
Mitchell	98	124	119	7,972	10,271	9,897
Monona	103	123	115	8,843	10,605	10,015
Monroe	77	87	85	8,362	9,405	9,339
Montgomery	131	151	150	9,792	11,256	11,592
Muscatine	408	469	484	10,100	11,496	11,592
O'Brien	159	197	190	9,378	11,641	11,219
Osceola	75	98	91	8,973	11,797	11,110
Page	174	203	202	9,125	10,671	10,650
Palo Alto	119	149	138	9,397	11,733	11,051
Plymouth	205	252	246	8,315	10,221	10,026
Pocahontas	112	140	126	9,908	12,513	11,329
Polk	3,412	3,754	3,931	11,252	12,254	12,805
Pottawattamie	760	864	897	8,791	9,977	10,294
Poweshiek	182	216	218	9,424	11,227	11,423
Ringgold	45	55	55	7,347	9,165	9,074
Sac	135	165	155	9,623	11,753	11,177
Scott	1,645	1,818	1,810	10,265	11,279	11,197
Shelby	132	161	154	8,730	10,755	10,409
Sioux	233	291	285	7,351	9,465	9,175
Story	616	696	716	8,506	9,616	9,835
Tama	170	207	204	8,721	10,625	10,535
Taylor	57	72	72	6,848	8,705	8,472
Union	117	135	143	8,436	9,785	10,244
Van Buren	60	72	72	6,955	8,349	8,377
Wapello	366	392	403	9,114	9,760	10,155
Warren	308	344	353	8,795	9,760	10,017
Washington	181	223	224	8,981	11,044	11,135
Wayne	62	77	77	7,505	9,508	9,557
Webster	454	511	496	9,892	11,173	10,970
Winnebago	114	141	139	8,803	11,108	10,966
Winneshiek	152	187	197	6,930	8,502	8,935
Woodbury	966	1,092	1,099	9,625	10,808	10,872
Worth	74	94	89	8,182	10,334	9,908
Wright	165	200	195	10,158	12,417	12,174

r = Revised.
Source: Survey of Current Business, April, 1984, U.S. Department of Commerce.

Personal and per capita income[1], SMSA

	Per Capita Personal Income					Total Personal Income[1] (millions)				
	1978	1979	1980r	1981r	1982	1978	1979	1980r	1981r	1982
Cedar Rapids	$8,799	$ 9,871	$10,635	$11,569	$11,845	$1,470	$1,657	$1,809	$1,968	$2,004
Davenport, Rock Island, Moline	8,688	9,568	10,362	11,519	11,572	3,258	3,674	3,983	4,444	4,441
Des Moines	8,928	10,162	10,834	11,878	12,365	2,985	3,421	3,986	4,409	4,596
Dubuque	8,031	8,877	9,488	10,313	10,323	752	829	889	968	957
Iowa City	7,699	8,146	8,754	9,906	10,323	601	663	718	819	867
Omaha, Council Bluffs	7,680	9,029	9,934	10,880	11,397	4,484	5,176	5,818	6,395	6,793
Sioux City	7,854	8,580	9,373	10,539	10,559	942	1,019	1,098	1,244	1,247
Waterloo, Cedar Falls	8,124	9,420	9,989	11,131	11,029	1,130	1,283	1,630	1,817	1,802

[1]Reflects income by place of residence.
Source: Survey of Current Business, April 1984, U.S. Department of Commerce.

Earnings by industrial source, SMSA

Income by Place of Residence	Cedar Rapids	Davenport Rock Island Moline	Des Moines	Dubuque	Iowa City	Omaha Council Bluffs	Sioux City	Waterloo Cedar Falls
Total Personal Income	$2,004,435	$4,441,120	$4,595,948	$957,375	$866,923	$6,792,765	$1,247,425	$1,802,474
Nonfarm	1,990,577	4,396,752	4,570,636	937,685	850,229	6,732,677	1,213,703	1,769,563
Farm Income	13,858	44,368	25,312	19,690	16,694	60,088	33,723	32,911
Per capita personal income (dollars)	11,845	11,572	12,365	10,323	10,323	11,397	10,559	11,029
Derivation of total personal income:								
Total earnings by place of work	1,536,466	3,274,536	3,574,136	759,246	682,542	5,337,903	913,330	1,396,593
Less: Personal contributions for social insurance	98,023	200,934	228,449	49,174	33,070	355,064	59,603	87,166
Plus: Adjustment for residence	-62,338	-127,454	-152,655	-93,100	-34,148	-165,416	-36,106	-90,980
Equals: Net income by place of residence	1,376,103	2,946,148	3,193,032	616,972	615,324	4,817,423	817,621	1,218,447
Plus: Dividends, interest, and rent	387,301	877,288	829,321	201,740	164,375	1,139,521	246,786	347,034
Plus: Transfer payments	241,031	617,684	573,595	138,663	87,224	835,821	183,018	236,993
Earnings by Place of Work								
Earnings by type:								
Wages and salaries	1,308,034	2,803,245	3,016,213	621,222	591,701	4,580,504	726,425	1,167,068
Other labor income	142,220	294,203	299,262	67,698	43,029	417,886	78,785	125,259
Proprietor's income	86,212	177,088	258,661	70,326	47,812	339,513	108,120	104,266
Farm	8,558	34,272	13,001	16,731	13,047	46,030	25,927	25,033
Nonfarm	77,654	142,816	245,660	53,595	34,765	293,483	82,193	79,233
Earnings by industry:								
Farm	13,858	44,368	25,312	19,690	16,694	60,088	33,723	32,911
Nonfarm	1,522,608	3,230,168	3,548,824	739,556	665,848	5,277,815	879,607	1,363,682
Private	1,367,581	2,691,086	3,027,051	678,118	340,825	4,258,684	777,274	1,197,100
Agricultural services, forestry, fisheries, etc.	1,961	6,079	9,236	D	821	8,733	2,611	D
Mining	3,796	D	4,229	D	1,250	D	D	D
Construction	68,812	126,755	175,280	30,829	33,741	261,747	50,746	D
Manufacturing	611,863	1,224,332	564,596	312,986	72,403	736,022	214,332	634,478
Nondurable goods	195,627	163,942	359,493	75,531	55,388	361,731	171,696	90,856
Durable goods	416,236	1,060,390	205,103	237,455	17,015	374,291	42,636	543,622
Transportation and public utilities	104,121	D	321,673	45,297	23,077	705,732	96,513	66,747
Wholesale trade	101,778	246,127	370,450	39,381	24,870	502,630	D	D
Retail trade	144,738	312,332	349,794	70,265	64,623	504,155	91,750	117,047
Finance, insurance and real estate	84,845	148,491	475,429	24,651	20,149	493,795	56,845	56,504
Services	245,667	432,819	756,364	151,712	99,891	946,994	185,694	197,346
Government and government enterprises	155,027	539,082	521,773	61,438	325,023	1,019,131	102,333	166,582
Federal, civilian	24,310	236,396	130,531	8,278	29,123	197,991	21,851	15,137
Military	2,606	13,592	7,845	1,969	1,935	271,610	1,828	2,541
State and Local	128,111	289,094	388,397	51,191	293,965	549,530	78,654	148,904

D = Data not shown to avoid disclosure.
Source: Local Area Personal Income, 1977-1982, U.S. Department of Commerce.

Effective buying income*, 1983

County	Total EBI ($000)	Median Hsld. EBI	Percent of Households by EBI Group $10,000 To $19,999	$20,000 To $34,999	$35,000 To $49,999	$50,000 & OVER
Adair	73,195	16,164	33.8%	26.3%	7.9%	3.9%
Adams	43,097	17,500	31.7	31.8	7.7	2.9
Allamakee	96,440	15,638	34.0	27.5	6.8	1.7
Appanoose	113,834	15,132	31.7	27.9	6.8	1.9
Audubon	56,583	15,083	40.4	23.5	5.8	2.5
Benton	213,713	21,757	24.8	35.8	14.2	4.6
Black Hawk	1,494,979	27,210	19.7	33.9	21.6	10.3
Boone	267,890	23,815	24.5	32.5	18.3	8.0
Bremer	244,803	24,730	22.5	35.9	16.6	8.5
Buchanan	194,703	21,261	26.8	33.9	13.5	5.4
Buena Vista	177,516	18,957	30.5	32.1	10.2	4.9
Butler	138,263	19,106	28.8	34.9	8.6	3.9
Calhoun	108,113	18,439	30.6	29.7	10.4	5.0
Carroll	194,708	20,650	29.7	34.6	11.7	5.7
Cass	144,509	18,406	31.4	31.4	8.7	4.0
Cedar	167,554	21,520	25.9	35.3	13.2	5.3
Cerro Gordo	502,850	23,569	24.5	34.0	16.3	7.9
Cherokee	134,623	18,264	31.5	29.9	10.0	5.3
Chickasaw	113,203	18,558	30.0	33.2	9.4	3.0
Clarke	62,258	15,386	32.6	26.6	7.7	2.1
Clay	188,631	20,394	29.5	31.6	12.3	7.1
Clayton	153,016	16,164	32.8	27.8	7.1	3.3
Clinton	535,711	24,270	22.6	37.5	18.4	5.4
Crawford	143,162	18,497	29.2	33.5	8.9	3.5
Dallas	296,946	23,649	24.6	36.3	16.7	6.2
Davis	62,514	15,579	29.1	27.4	6.5	3.9
Decatur	63,407	14,621	31.1	27.4	5.8	1.6
Delaware	147,762	20,427	26.8	34.9	11.8	4.5
Des Moines	458,657	23,304	24.3	34.3	17.4	6.0
Dickinson	166,479	21,768	28.0	34.9	13.4	6.9
Dubuque	819,393	23,822	23.0	36.6	16.5	6.0
Emmet	106,206	19,189	28.8	34.9	9.0	4.0
Fayette	197,401	18,434	30.4	31.6	9.6	4.1
Floyd	149,820	18,812	30.0	32.9	9.9	3.3
Franklin	121,526	20,651	27.1	34.7	12.4	4.8
Fremont	77,195	18,045	30.3	30.3	9.9	4.0
Greene	107,146	19,349	28.3	32.1	10.1	6.1
Grundy	148,492	24,638	23.3	36.1	16.6	8.8
Guthrie	89,327	16,523	30.8	29.0	8.2	2.6
Hamilton	156,897	19,982	30.1	34.2	10.2	5.5
Hancock	124,998	20,716	29.3	35.9	10.9	5.2
Hardin	183,891	19,881	28.4	34.5	10.5	4.7
Harrison	120,770	17,280	29.6	29.5	9.5	3.1
Henry	171,748	21,162	27.7	35.4	13.1	4.9
Howard	84,288	16,835	31.0	28.6	7.7	4.3
Humboldt	111,852	19,629	31.0	34.1	10.5	4.4
Ida	70,901	15,886	32.9	29.7	6.9	4.1
Iowa	143,106	22,660	25.1	38.5	13.2	5.6
Jackson	181,407	20,161	26.0	37.0	8.7	4.7
Jasper	358,390	23,526	24.1	36.8	16.7	6.1
Jefferson	140,933	19,491	28.3	31.5	11.7	5.4
Johnson	976,696	24,574	22.8	29.4	17.7	13.1
Jones	162,394	20,635	26.3	35.8	12.7	3.3
Keokuk	103,611	18,018	30.9	29.6	9.4	4.6
Kossuth	171,754	18,821	30.5	31.9	10.0	4.7
Lee	410,006	22,493	24.9	34.1	15.9	6.5
Linn	1,949,507	27,983	19.2	34.7	23.5	9.8
Louisa	123,991	25,383	21.6	34.9	18.8	8.9
Lucas	87,709	17,385	29.2	29.5	10.3	3.5
Lyon	87,149	16,477	32.8	28.1	6.2	4.0
Madison	101,812	19,812	25.4	33.5	12.0	4.0
Mahaska	194,021	18,959	29.2	33.2	9.3	4.5
Marion	271,803	22,381	25.2	36.7	15.4	4.9
Marshall	460,406	26,085	22.0	34.2	20.6	9.0
Mills	116,063	21,000	28.9	37.0	11.2	5.0
Mitchell	99,959	17,563	31.5	27.6	10.3	5.5
Monona	82,779	15,741	34.5	25.5	6.6	2.8
Monroe	74,580	18,604	30.8	30.9	11.5	3.5
Montgomery	124,682	20,185	28.5	33.5	13.2	3.9
Muscatine	444,590	26,975	19.6	31.7	20.4	12.5
O'Brien	134,116	17,861	31.6	29.8	9.2	4.5
Osceola	64,208	17,447	32.9	29.4	9.8	3.1
Page	168,395	18,992	30.1	31.5	11.4	4.1
Palo Alto	102,427	17,927	32.3	29.5	10.4	3.9
Plymouth	205,844	19,589	29.8	33.1	9.5	6.2
Pocahontas	91,958	18,312	32.4	29.8	9.5	5.5
Polk	3,639,811	26,817	21.2	32.9	20.6	11.4
Pottawattamie	843,302	24,040	23.5	33.9	18.0	7.7
Poweshiek	175,894	21,722	25.9	35.2	14.5	5.0
Ringgold	39,123	12,678	30.7	21.3	5.5	2.8
Sac	105,586	16,930	36.3	29.7	6.8	3.4
Scott	1,754,540	26,907	20.2	35.2	21.6	9.0
Shelby	125,512	19,776	30.9	33.8	10.1	5.4
Sioux	228,241	19,022	32.9	34.3	8.3	3.8
Story	776,894	25,487	22.9	30.6	20.1	11.0
Tama	154,899	19,831	28.1	34.6	11.3	3.6
Taylor	56,419	14,260	34.2	23.2	6.5	2.3
Union	123,521	19,232	28.1	31.2	12.5	4.0
Van Buren	54,558	14,144	32.4	25.2	5.6	1.6
Wapello	349,883	19,429	28.4	32.4	11.9	4.2
Warren	363,643	27,393	20.6	36.6	22.2	7.9
Washington	175,395	19,354	30.1	31.7	11.1	5.5
Wayne	52,286	13,000	35.5	20.0	5.0	1.6
Webster	400,361	20,762	27.2	33.2	13.5	5.3
Winnebago	126,598	21,753	28.6	35.4	13.7	6.0
Winneshiek	182,115	19,393	30.1	30.0	12.3	6.1
Woodbury	968,770	22,654	24.2	32.7	16.1	7.4
Worth	76,974	18,828	33.8	32.3	10.4	3.4
Wright	162,437	22,694	24.5	31.7	16.5	9.0
TOTAL STATE	28,172,028	22,461	25.2	33.1	15.7	7.2

*Effective Buying Income (EBI) is personal income less personal tax and nontax payments. Personal income as the aggregate of wages and salaries, other labor income, proprietor's income, rental income, dividends paid by corporations, personal interest income from all sources and transfer payments. Deducted from this total are personal taxes (federal, state and local) nontax payments (such as fines, fees, penalties) and social insurance.

Source: 1984 Survey of Buying Power, Sales and Marketing Management, July 23, 1984.

Midwest taxable payrolls, 1982

	Number of Employees Week of March 12	Annual Taxable Payroll (000)	Estimated Weekly Payroll Per Employee
Illinois	3,922,004	68,749,611	337.10
Indiana	1,679,395	26,892,133	307.94
IOWA	834,966	12,021,056	276.87
Kansas	740,448	10,903,989	283.20
Minnesota	1,434,506	22,744,768	304.91
Missouri	1,622,463	25,427,731	301.39
Nebraska	474,827	6,586,906	266.77
North Dakota	177,703	2,380,986	257.67
Ohio	3,472,711	57,595,321	318.94
South Dakota	168,323	2,010,162	229.66
Wisconsin	1,542,592	23,428,873	292.08

Source: 1982 County Business Patterns, U.S. Department of Commerce, Bureau of the Census.

Iowa taxable payrolls

County	1981			1982		
	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)
Total	66,289	878,416	$12,130,443	65,546	834,966	$12,021,056
Adair	222	1,567	16,441	223	1,558	17,845
Adams	117	1,367	13,655	111	1,192	13,650
Allamakee	384	3,002	28,798	356	3,104	31,852
Appanoose	305	2,917	35,642	302	2,746	33,104
Audubon	227	2,900	12,064	208	1,343	12,338
Benton	499	3,387	37,113	493	2,989	34,848
Black Hawk	2,920	53,379	935,176	2,781	46,858	854,321
Boone	509	4,574	54,994	524	4,546	55,732
Bremer	548	5,836	73,149	509	5,390	70,519
Buchanan	439	3,144	34,615	432	2,934	33,325
Buena Vista	604	5,468	62,328	567	5,229	63,394
Butler	387	2,050	19,708	359	1,784	17,326
Calhoun	334	2,260	21,880	322	2,027	20,824
Carroll	660	7,047	78,715	677	6,303	78,587
Cass	488	9,306	40,862	487	4,011	43,631
Cedar	394	2,852	30,732	415	2,842	32,595
Cerro Gordo	1,381	17,190	211,537	1,358	17,160	221,605
Cherokee	364	3,841	49,447	374	3,636	51,662
Chickasaw	372	3,316	40,197	356	3,106	41,405
Clarke	184	1,861	21,650	191	1,880	22,363
Clay	616	6,289	70,367	606	6,010	73,486
Clayton	445	3,456	36,022	483	3,436	35,956
Clinton	1,115	17,867	249,896	1,096	16,943	232,503
Crawford	465	4,900	66,762	446	4,811	66,482
Dallas	559	4,973	63,887	569	4,760	65,349
Davis	166	1,165	11,723	161	1,071	11,337
Decatur	191	2,103	15,640	181	2,128	16,067
Delaware	414	3,182	35,114	380	2,857	34,638
Des Moines	1,089	18,081	267,255	1,102	17,072	255,515
Dickinson	418	3,465	38,621	428	3,575	41,008
Dubuque	2,026	38,813	609,055	1,993	37,004	600,672
Emmet	304	3,876	52,497	281	2,949	36,611
Fayette	609	4,969	51,895	617	4,884	54,331
Floyd	444	4,596	57,459	430	4,645	65,229
Franklin	346	2,943	38,099	331	2,663	34,642
Fremont	185	1,187	12,763	184	1,223	13,724
Greene	298	2,148	22,945	279	2,017	23,682
Grundy	307	2,160	23,341	317	2,349	26,959
Guthrie	263	1,457	12,632	231	1,396	12,428
Hamilton	446	4,594	52,102	444	4,462	52,551
Hancock	327	2,655	30,345	318	2,381	29,230
Hardin	628	5,548	67,225	607	5,217	64,365
Harrison	326	2,198	20,569	299	2,205	21,889
Henry	466	4,867	56,133	448	4,658	57,793
Howard	279	1,910	19,795	271	1,754	19,608
Humboldt	328	2,305	27,677	320	2,393	27,429
Ida	232	1,786	20,614	225	1,762	22,547
Iowa	375	6,555	74,251	375	4,710	64,887
Jackson	478	3,789	36,405	451	3,448	32,941
Jasper	702	9,639	141,850	706	9,151	140,724
Jefferson	347	4,300	52,820	359	4,157	50,134
Johnson	1,535	18,800	220,183	1,625	19,952	251,183

Iowa taxable payrolls (continued)

County	1981			1982		
	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)
Jones	450	3,335	35,594	434	3,367	36,255
Keokuk	288	1,619	17,093	270	1,590	17,216
Kossuth	551	12,386	52,945	553	4,763	56,757
Lee	947	14,660	218,957	982	14,088	206,123
Linn	3,753	76,119	1,192,997	3,741	70,878	1,157,203
Louisa	202	1,670	19,540	204	1,683	19,238
Lucas	198	2,375	34,177	197	2,222	31,278
Lyon	167	1,637	17,277	280	1,603	17,529
Madison	242	1,738	16,363	240	1,609	16,285
Mahaska	527	5,039	50,269	512	4,633	51,260
Marion	583	8,748	115,505	580	8,260	109,455
Marshall	899	14,646	224,417	886	14,286	224,802
Mills	242	2,054	23,603	219	2,015	22,628
Mitchell	304	1,982	19,593	288	1,969	20,551
Monona	285	2,001	18,118	295	2,008	19,753
Monroe	182	1,786	19,079	178	1,657	19,434
Montgomery	338	3,641	41,931	343	3,418	40,939
Muscatine	890	16,042	252,408	863	15,694	270,323
O'Brien	515	3,986	39,029	507	3,804	38,997
Osceola	203	3,647	15,215	207	1,392	15,387
Page	509	5,237	58,820	509	4,948	58,336
Palo Alto	296	2,143	20,440	298	1,914	20,980
Plymouth	548	5,227	59,536	538	5,015	60,519
Pocahontas	310	2,095	22,424	331	2,349	24,140
Polk	8,022	153,314	2,308,009	8,089	148,184	2,391,502
Pottawattamie	1,470	17,604	207,294	1,503	18,111	218,339
Poweshiek	470	5,317	68,055	445	5,764	76,186
Ringgold	130	952	8,001	124	947	8,600
Sac	405	2,754	29,435	399	2,282	26,479
Scott	3,367	61,076	1,015,251	3,399	56,392	936,028
Shelby	350	3,091	29,746	345	3,027	29,141
Sioux	788	8,102	81,228	781	7,923	85,431
Story	1,442	17,428	186,368	1,395	16,211	182,107
Tama	413	3,124	33,614	384	2,812	32,435
Taylor	156	2,401	10,065	161	1,182	10,101
Union	354	3,433	34,087	346	3,245	34,869
Van Buren	166	1,069	9,377	161	992	9,215
Wapello	759	11,156	161,201	739	10,739	172,320
Warren	450	3,945	44,118	463	3,916	38,553
Washington	553	5,163	57,625	522	4,342	51,253
Wayne	187	1,440	13,365	176	1,251	13,554
Webster	1,169	15,567	202,480	1,148	14,916	191,654
Winnebago	343	4,123	48,807	321	4,316	53,034
Winneshiek	467	4,421	50,511	493	4,623	56,706
Woodbury	2,540	37,918	511,331	2,459	34,718	496,448
Worth	170	1,017	9,297	166	1,006	10,336
Wright	434	3,952	43,459	439	3,736	45,977
Statewide	88	371	7,744	25	485	8,585

Source: County Business Patterns, 1982, U.S. Department of Commerce, Bureau of the Census.

Iowa employees and payroll by major industry group

Major Industry Groups	1981			1982		
	Number of Employees (mid-March)	Taxable Payrolls (Annual $000)	Total Reporting Units	Number of Employees (mid-March)	Taxable Payrolls (Annual $000)	Total Reporting Units
Total	878,416	$12,130,443	$66,289	834,966	$12,021,056	65,546
Agricultural Services	3,953	49,144	770	3,853	52,731	793
Mining	2,112	40,772	203	1,942	38,502	204
Contract Construction	41,674	740,623	6,203	33,843	666,946	5,725
Manufacturing	258,070	4,520,412	3,345	219,941	4,539,212	3,378
Transportation & Utilities	46,328	855,907	3,113	45,413	882,641	3,106
Wholesale Trade	75,149	1,205,838	7,395	71,128	1,190,894	7,388
Retail Trade	200,773	1,497,123	19,379	194,529	1,522,890	19,762
Finance, Insurance, Real Est.	63,234	937,078	5,788	61,623	975,162	5,789
Services	201,099	2,001,649	17,376	201,949	2,143,526	18,479
Unclassified Est.	6,481	51,220	2,713	702	8,425	919

r = Revised.
Source: County Business Patterns, 1982, U.S. Department of Commerce, Bureau of the Census.

Industry

Industrial expansion in Iowa

Since Iowa is often considered an agricultural state, many people do not realize that industry generates about three times as much in total revenue as does agriculture.

Because Iowa workers are among the most highly educated, and are more productive than the national average, capital intensive, well-paying industries are attracted to the state. One hundred twenty-three of *Fortune's* "Top 500" companies have manufacturing plants here.

Compared to the average American production worker, Iowans are 33% more productive. They put in the equivalent of 69.2 weeks a year, or 53.2 hours a week when compared with the national average.

This means the typical Iowa worker produces $13,640 more value per year than his average counterpart throughout America.

Iowa workers work.

	New Industry		Expansions		Totals	
	Number	Capital Investment (000)	Number	Capital Investment (000)	Number	Capital Investment (000)
1975	61	88,135	125	183,982	186	272,117
1976	75	58,884	156	318,343	231	377,227
1977	75	59,732	113	321,821	188	381,553
1978	75	72,603	130	398,414	205	471,017
1979	100	275,096	176	491,709	276	766,805
1980	87	410,920	144	233,974	231	644,894
1981r	81	62,321	160	377,419	241	439,740
1982	60	124,295	96	81,694	156	205,989
1983	56	165,827	84	77,040	140	242,867

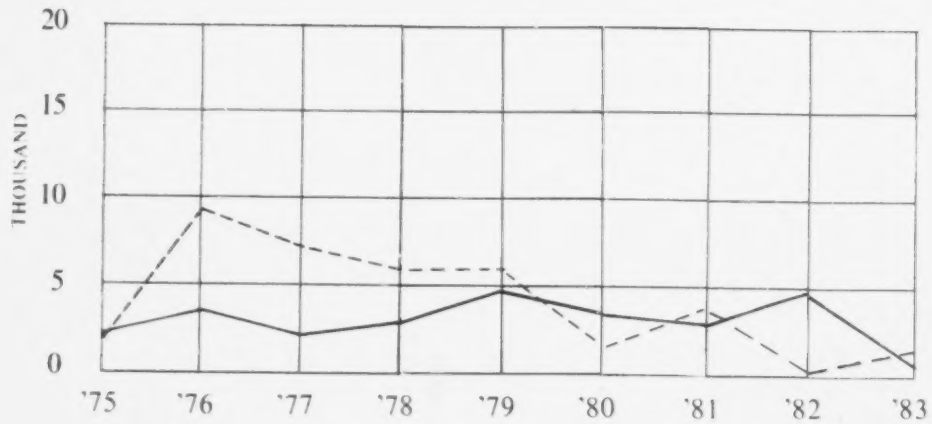
Source: Iowa Development Commission.

Fortune 500 in Iowa

Company	Rank
Air Products and Chemicals, Inc.	212
Allied Corporation	29
Aluminum Company of America	65
AMAX	164
American Can Company	117
American Cyanamid	107
American Home Products Corporation	73
American Standard	170
AMF, Inc.	303
Amsted Industries	458
Archer Daniels Midland	83
Armco, Inc.	87
Armstrong Rubber Company	411
Beatrice Foods Company	36
Borg-Warner	106
Carnation Company	116
Caterpillar Tractor Company	64
Central Soya Company, Inc.	200
CertainTeed/Daymond Company	288
Cessna Aircraft	445
Champion International	86
Champion Spark Plug	354
Coca-Cola	48
Con Agra	162
Consolidated Foods	49
Continental Group	68
Cooper Labs, Inc.	476
Crane Company	294
Dayco Corporation	371
Deere and Company	92
Deluxe Check Printers, Inc.	400
Dow Chemical Company	28
Dow Jones	326
Dresser Industries	112
E. I. du Pont de Nemours	7
Eaton Corporation	138
Emerson Electric	111
Esmark	88
Ethyl Corporation	197
Federal Company	275
Firestone Tire and Rubber Company	95
FMC Corporation	110
Fruehauf Corporation	173
Gannett Company, Inc.	203
General Electric Company	10
General Foods Corporation	41
General Instrument Corporation	302
General Mills	62
General Motors	2
Georgia-Pacific Corporation	51
Getty Oil Company	24
Goodyear Tire and Rubber	32
Grace, W. R., and Company	53
Gulf and Western Industries	67
Harsco	331
Heinz, H. J., Company	100
Hoover Universal, Inc.	351
Hormel, George A., and Company	241
I. C. Industries	96
International Harvestor	104
International Multifoods Corporation	274
International Paper Company	80
International Telephone & Telegraph	20
James River Corporation	209
Kaiser Aluminum and Chemical Corp.	140
Kane-Miller Corporation	353
Kidde, Inc.	161
Land O'Lakes, Inc.	121
Lear Siegler, Inc.	236
Libbey-Owens-Ford Company	266
Litton Industries	74
Manville Corporation	199
MAPCO	177
Martin Marietta	94
Maytag Company, The	409
Mead Corporation	149
Meredith Corporation	479
Minnesota Mining and Manufacturing	47
Mobil Corporation	3
Monsanto Company	52
Motorola, Inc.	81
National Distillers & Chemical Corp.	166
National Gypsum	270
North American Phillips Corporation	97
Occidental Petroleum	14
Parker-Hannifin Corporation	289
Pepsico, Inc.	44
Pfizer, Inc.	99
Proctor and Gamble	22
Quaker Oats Company	146
Ralston Purina Company	71
Raytheon	59
Rexnord, Inc.	342
Rockwell International	43
Scovill	366
Sheller-Globe Corporation	405
Signal Companies	54
Snap-On Tools	474
Sonoco Products Company	383
Sperry Rand Corporation	66
Square D Company	269
St. Regis Paper Company	141
Staley, A. E., Manufacturing	207
Standard Oil of California	9
Standard Oil of Indiana	8
Sundstrand	316
Swift Independent Packing Company	152
Sybron Corporation	404
Tenneco, Inc.	19
Textron, Inc.	134
Thomas J. Lipton	293
Trane Company, The	284
Union Carbide Corporation	37
United Brands	109
United States Gypsum Company	215
United States Steel Corporation	15
Upjohn Company	182
Walter, Jim, Corporation	181
Weyerhaeuser Company	70
White Consolidated Industries	178
Wilson Foods Corporation	171
Wisconsin Dairies Cooperative	480
Witco Chemical Corporation	245

Source: Fortune; April 30, 1984; The 500 largest U.S. Industrial Corporations.

New manufacturing jobs



	New Industry	Plant Expansions
1982	4,853	1,129
1983	1,831	2,031

Source: Iowa Development Commission, Inc., October 1984; p. 110.

Check the advantages of locating facilities in Iowa. Each year new factors conducive to growth and expansion are added to Iowa's growing list of industrial advantages.

Value added per manufacturing worker

	1960	1965	1970	1975	1978	1983*
Illinois	$14,914	$18,858	$24,089	$39,225	$51,556	$52,100
Indiana	14,134	18,218	22,197	34,696	47,433	45,300
IOWA	14,076	19,005	25,046	44,001	56,071	55,900
Kansas	15,224	19,056	24,805	36,159	46,514	44,200
Midwest Average[1]	14,079	17,941	23,301	36,436	48,567	44,680
Minnesota	15,129	19,621	24,312	37,607	47,800	40,800
Missouri	13,468	17,065	22,293	34,347	48,771	39,700
Nebraska	13,892	18,169	24,950	38,254	48,575	44,000
Ohio	15,155	19,082	23,544	37,201	50,796	45,500
South Dakota	12,170	14,827	19,025	26,488	41,022	36,400
United States Average	13,431	17,355	22,193	35,065	46,184	42,260
Wisconsin	13,762	16,924	21,885	35,403	47,129	42,900

Source: 1978 Annual Survey of Manufacturers, U.S. Department of Commerce — Bureau of Census.
*Inc.; October, 1984; p. 110.

Industrial revenue bonds

Iowa law permits city and county governments to authorize revenue bonds for up to $10 million, for buildings, buying land and equipping plants. The table below shows bonds issued 1980 through 1982.

City	Amount ($000)	Employment[1] Initial
1980		
Albia	300	A
Alden	50	A
Ames	430	A
Ankeny	850	B
Bettendorf	725	A
Boone	300	A
Boone	900	A
Boyden	500	B
Camanche	500	D
Cascade	350	A
Cedar Falls	600	A
Cedar Rapids	560	E
Cedar Rapids	550	A
Cedar Rapids	3,000	B
Cedar Rapids	560	A
Cedar Rapids	3,000	B
Cedar Rapids	2,500	C
Cedar Rapids	670	A
Centerville	650	B
Chariton	450	C
Chariton	4,000	B
Chickasaw County	400	A
Clare	200	A
Clive	425	A
Clive	1,900	A
Clive	750	A
Clive	750	A
Clive	300	A
Council Bluffs	220	A
Council Bluffs	400	A
Corydon	500	A
Dallas County	4,500	D
Davenport	9,630	D
Davenport	500	A
Denison	2,000	A
Des Moines	700	A
Des Moines	315	A
Des Moines	400	A
Dexter	350	A
Dubuque	1,000	A
Eldridge	475	A
Eldridge	300	A
Estherville	550	B
Fairfield	660	A
Fort Dodge	4,400	C
Forest City	150	B
Greene County	1,750	A
Greenfield	4,750	A
Iowa City	1,500	C
Jasper County	600	A
LeMars	1,000	A
Manchester	9,000	A
Marcus	1,500	D
Marengo	10,000	C
Mason City	450	A
Mason City	4,500	D
Mount Pleasant	4,500	A
Muscatine County	3,500	A
Newton	600	A
Ocheyden	200	A
Oelwein	565	B
Orange City	1,500	A
Orange City	1,000	B
Orange City	500	A
Oskaloosa	500	A
Pella	400	A
Pella	175	A
Polk County	225	A
Polk County	250	A
Polk County	400	A
Polk County	971	A
Polk County	1,000	A
Polk County	1,000	A
Polk County	500	A
Preston	500	A
Sibley	600	B
Sioux City	500	A
Spencer	683	D
Spencer	250	A
Spencer	250	A
Steamboat Rock	150	A
Storm Lake	3,690	A
Tama	800	A
Tipton	700	B
Wapello	900	B
Waterloo	450	A
Webster City	400	A
Webster City	500	A
West Des Moines	925	A
West Des Moines	340	A
1981		
Adel	200	A
Adel	200	A
Alden	600	A
Altoona	700	A
Appanoose County	700	A
Bettendorf	440	A
Bettendorf	420	A
Boone County	800	A
Boone County	325	A
Burlington	6,000	A
Burlington	2,000	A
Burlington	1,700	A
Burlington	300	B
Camanche	4,500	C
Camanche	600	A
Camanche	250	A
Cedar Falls	500	A
Cedar Rapids	560	A
Cedar Rapids	1,000	A
Cedar Rapids	900	B
Cedar Rapids	400	A
Cedar Rapids	500	A
Cedar Rapids	825	A
Cedar Rapids	825	A
Cedar Rapids	1,000	A
Cedar Rapids	720	A
Cedar Rapids	750	A
Cedar Rapids	1,000	A
Cedar Rapids	7,000	A
Cedar Rapids	340	A
Cedar Rapids	435	A
Cedar Rapids	288	A
Cedar Rapids	500	A
Charles City	135	A
Charles City	400	A
Clarinda	75	A
Clear Lake	3,000	A
Clear Lake	400	B
Clinton	3,200	B
Clive	1,700	A
Clive	500	A
Corning	4,500	D
Council Bluffs	300	A
Council Bluffs	1,000	A
Council Bluffs	220	A
Council Bluffs	850	A
Council Bluffs	415	A
Council Bluffs	300	A
Council Bluffs	300	A
Council Bluffs	400	A
Davenport	700	A
Davenport	550	A
Davenport	600	A
Davenport	700	A
Davenport	800	C
Davenport	550	A
Davenport	5,500	A
Des Moines	2,000	A
Des Moines	1,000	A
Des Moines	450	A
Des Moines	6,000	A
Des Moines	10,250	A
Des Moines	3,000	A
Des Moines	1,000	A
Des Moines	3,875	A
Des Moines	1,200	A
Dubuque	440	A
Dubuque	1,600	A
Dubuque	430	A
Dumont	140	A
Eldridge	1,150	D
Eldridge	1,150	A
Eldridge	450	A
Eldridge	575	A
Eldridge	1,200	A
Eldridge	350	A
Eldora	700	A
Estherville	300	A
Fairfield	250	A
Fort Dodge	200	A
Fort Dodge	3,400	A
Fort Dodge	450	B
Gilmore	400	A
Grundy Center	1,000	B
Harlan	600	A
Harlan	700	A
Indianola	450	A
Iowa City	100	A
Iowa City	70	A
Iowa City	150	A
Iowa City	150	A
Iowa City	70	A
Iowa City	100	A
Iowa City	1,600	A
Iowa Falls	190	A
Iowa Falls	1,000	A
Iowa Falls	1,000	A
Jefferson	1,000	A
Johnston	1,350	B
Knoxville	150	A
Knoxville	65	A
Le Mars	1,500	A
Le Mars	400	A
Marion	900	A
Marshalltown	450	A
Mason City	200	A
Mason City	360	A
Mason City	1,000	A
Mason City	350	A
Mason City	275	A
Mason City	1,000	A
Mason City	375	A
Mediapolis	560	C
Monticello	400	A
Muscatine	3,600	A
Ottumwa	1,360	B
Ottumwa	400	A
Ottumwa	800	A
Ottumwa	400	A
Ottumwa	450	B
Parkersburg	110	A
Polk County	1,125	A
Polk County	800	A
Redfield	36	A
Rippey	800	A
Ryan	350	A
Sioux Center	650	B
Sioux Center	600	B
Sioux Center	1,000	B
Sioux City	350	A
Sioux City	200	A
Sioux City	1,500	A
Sioux City	850	A
Sioux City	1,200	A
Van Buren Co.	1,400	A
Washington	205	A
Waterloo	200	A
Waterloo	650	A
Waverly	1,400	B
Waverly	700	A
Webster City	500	A
Webster City	2,000	A
Webster Co.	3,900	A
West Des Moines	660	A
West Des Moines	500	A
West Des Moines	1,500	A
Wilton	500	B
1982		
Altoona	2,000	A
Altoona	1,000	A
Ames	227	A
Ames	500	A
Ames	300	A
Ames	275	A
Ankeny	950	A
Belle Plaine	250	A
Bettendorf	2,000	A
Bettendorf	1,500	A
Camanche	500	A
Casey	200	A
Cedar Rapids	450	A
Cedar Rapids	1,375	A
Cedar Rapids	300	A
Cedar Rapids	85	A
Cedar Rapids	530	A
Cedar Rapids	1,700	A
Cedar Rapids	900	A
Cedar Rapids	700	A
Cedar Rapids	500	A
Cedar Rapids	1,000	A
Cedar Rapids	800	A
Cedar Rapids	850	A
Cedar Rapids	800	A
Cedar Rapids	800	A
Cerro Gordo County	1,000	A
Charles City	750	A
Charles City	250	A
Chickasaw County	400	A
Columbus Junction	165	A
Coralville	600	A
Davenport	300	A
Davenport	1,500	A
DeWitt	725	A
DeWitt	4,000	B
Denver	125	A
Des Moines	1,000	A
Des Moines	2,400	A
Des Moines	500	A
Des Moines	900	B
Des Moines	1,500	B
Des Moines	800	A
Des Moines	3,875	B
Dexter	200	A
Dubuque	300	A
Dubuque	3,000	D
Durant	1,000	A
Dysart	1,000	A
Eldora	360	A
Eldridge	190	A
Forest City	130	A
Fort Dodge	570	A
Fort Dodge	300	A
Fort Dodge	350	A
Fort Dodge	3,000	B
Harper	415	A
Hastings	100	A
Hedrick	1,000	A
Henderson	75	A
Iowa City	434	A
Iowa City	95	A
Iowa City	460	A
Iowa City	100	A
Iowa City	165	A
Iowa City	2,000	A
Iowa City	5,400	A
Iowa Falls	350	A
Johnston	1,550	A
Kalona	165	A
Kalona	350	A
Keosauqua	200	B
Knoxville	200	A
Knoxville	32	A
Le Mars	100	A
Lime Springs	1,000	A
Lone Tree	300	A
Louisa County	500	A
Marshalltown	350	A
Mount Pleasant	3,700	A
Mount Pleasant	200	A
Muscatine	675	A
Nevada	150	B
Newton	400	A
Norwalk	300	A
Oelwein	2,000	A
Oelwein	450	A
Oskaloosa	155	A
Oskaloosa	650	A
Ottumwa	600	A
Ottumwa	900	A
Pella	345	A
Pleasant Hill	475	A
Randolph	115	A
Sheldon	150	A
Sibley	1,750	B
Sioux City	60	A
Sioux City	2,000	A
Sioux City	10,000	A
Spencer	1,400	A
Spencer	1,200	A
Stanwood	250	A
Steamboat Rock	370	A
Storm Lake	3,200	B
Storm Lake	9,700	F
Stuart	300	A
Treynor	800	A
Urbandale	1,325	A
Waterloo	750	A
West Chester	120	A
West Des Moines	9,200	B
West Liberty	75	A
Worth County	400	B

Source: Iowa Development Commission.

[1]Employment Code A=1-20, B=21-50, C=51-100, D=101-250, E=251-500, F=501-1,000, G=Over 1,000.

Pollution control revenue bonds

Iowa law includes revenue bond financing for pollution control facilities. Under Internal Revenue regulations, such bonds are tax-free for the investor.

City	Amount ($000)
1979	
Clinton	6,650
Hancock County	180
Independence	1,000
Lisbon	190
1980	
Chillicothe	5,300
Chillicothe	6,850
Chillicothe	6,400
Chillicothe	2,400
Chillicothe	1,000
Fort Madison	3,000
1981	
Louisa County	25,000
Louisa County	1,000
Louisa County	21,500
Louisa County	9,900
Monticello	370
1982	
Glenwood	325
Louisa County	8,000
Louisa County	2,800

Source: Iowa Development Commission.

Health care facility revenue bonds

Iowa law also allows for revenue bond financing of any voluntary nonprofit hospital and of any clinic or health facility either nonprofit or proprietary.

City	Amount ($000)
1981	
Burlington	550
Burlington	660
Cedar Rapids	500
Cedar Rapids	150
Cedar Rapids	250
Centerville	80
Cresco	900
Denison	195
Des Moines	19,825
Des Moines	600
Floyd County	275
Knoxville	700
Lake City	2,500
Mason City	450
Toledo	1,500
Urbandale	640
West Des Moines	1,250
Williamsburg	220
Wilton	300
Total	31,545
1982	
Black Hawk County	285
Burlington	150
Cedar Falls	475
Cedar Rapids	600
Cedar Rapids	300
Clinton	980
Davenport	1,700
Dubuque	3,500
Fort Dodge	185
Grinnell	2,700
Iowa City	19,975
Mason City	365
Polk City	14,500
Sioux City	4,000
Sioux City	600
Sioux City	1,000
Sioux City	3,000
Stacyville	200
Wall Lake	100
Total	54,615

Source: Iowa Development Commission.

Open port warehousing

You can move goods into an Iowa warehouse, divide them, repackage them, label them—all without paying any property tax so long as the goods are destined for final delivery outside Iowa.

This is a tremendous advantage to a distributor of, say, consumer goods who ships to major geographic areas in bulk, but breaks shipments into smaller units for delivery into more limited market areas.

Industrial statistics, Iowa cities and counties

1982

	All establishments[1]		All employees[2]		Production workers[2]			Cost of materials[3] (million dollars)	Value of shipments[3] (million dollars)	New capital expenditures (million dollars)
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)			
IOWA	**3,599**	**1,224**	**213.4**	**4,411.1**	**140.5**	**259.9**	**2,654.2**	**19,384.6**	**31,456.7**	**691.0**
Standard Metropolitan Statistical Areas										
Cedar Rapids	214	77	25.4	561.1	13.4	24.9	262.3	1,757.5	3,397.5	80.0
Davenport-Rock Island-Moline, Iowa-Ill	432	158	40.6	1,048.7	24.7	43.1	565.7	2,988.3	5,496.5	227.0
Des Moines	440	130	22.2	477.1	12.8	24.0	256.7	1,907.9	3,092.0	64.0
Dubuque	131	51	11.9	278.8	7.4	13.2	161.6	876.4	1,393.9	23.0
Iowa City	71	22	3.3	62.3	2.2	3.8	38.9	309.1	763.6	17.1
Omaha, Nebr.-Iowa	673	252	34.2	668.2	23.6	44.9	399.9	3,724.8	5,507.9	76.6
Sioux City, Iowa-Nebr.	131	59	10.5	173.3	6.8	13.2	90.6	1,849.8	2,151.9	14.4
Waterloo-Cedar Falls	181	60	18.2	491.9	12.4	22.2	317.5	1,593.3	3,016.7	51.1
Counties										
Allamakee	22	6	.8	8.5	.6	1.1	6.1	42.3	65.2	.6
Appanoose	13	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Black Hawk	181	60	18.2	491.9	12.4	22.2	317.5	1,593.3	3,016.7	51.1
Boone	28	12	.9	13.7	.5	1.1	7.1	22.7	55.8	2.1
Bramer	37	12	1.1	21.1	.9	1.6	15.3	99.0	199.1	3.9
Buchanan	23	6	.6	7.4	.4	.6	5.1	59.8	82.5	1.8
Buena Vista	36	6	1.0	19.0	.8	1.7	15.6	209.1	254.2	1.3
Carroll	28	6	.8	14.5	.7	1.3	11.3	107.1	144.4	1.2
Cass	21	7	.5	6.8	.3	.5	3.4	34.0	52.5	1.1
Cedar	27	8	.5	6.4	.3	.6	4.0	43.5	59.1	.7
Cerro Gordo	67	26	2.7	45.8	2.0	4.0	31.5	208.7	306.8	10.9
Cherokee	23	9	1.0	19.4	.7	1.5	15.1	207.9	255.1	1.4
Chickasaw	19	8	1.2	21.3	.8	1.5	12.3	185.4	251.9	2.2
Clarke	12	8	.7	11.1	.5	.9	7.9	57.3	78.2	1.2
Clay	34	10	1.2	21.0	1.0	1.8	14.7	242.2	393.7	1.6
Clayton	36	12	.7	8.7	.6	1.0	6.2	64.5	81.7	2.3
Clinton	52	24	5.9	125.0	4.3	8.7	86.5	715.0	1,035.3	56.2
Crawford	23	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dallas	33	11	1.2	29.4	1.0	1.9	23.1	216.2	265.6	2.0
Delaware	24	8	.6	9.9	.5	.9	7.0	75.4	95.2	2.2
Des Moines	61	30	6.3	132.0	4.4	8.1	80.9	336.0	796.4	29.2
Dickinson	19	5	1.0	16.3	.7	1.5	10.1	35.4	75.5	.9
Dubuque	131	51	11.9	278.8	7.4	13.2	161.6	876.4	1,393.9	23.0
Emmet	15	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fayette	30	9	.8	11.1	.6	1.1	8.2	91.3	130.6	3.7
Floyd	15	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Franklin	23	8	1.0	15.8	.7	1.2	9.7	37.0	68.3	1.6
Hamilton	37	17	1.6	21.4	1.1	1.9	13.3	96.8	140.7	4.7
Hancock	23	6	.7	11.0	.5	.9	7.3	83.8	101.5	1.2
Hardin	35	14	1.2	19.0	.9	1.7	14.1	234.6	280.5	4.5
Henry	24	8	1.0	16.6	.8	1.5	11.1	49.2	123.8	1.8
Iowa	23	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jackson	30	11	.6	7.9	.4	.9	5.6	65.6	83.2	.5
Jasper	52	15	4.7	95.2	2.2	3.9	44.1	186.4	442.7	8.1
Jefferson	38	15	1.8	29.5	1.2	2.2	18.0	53.5	110.3	2.2
Johnson	71	22	3.3	62.3	2.2	3.8	38.9	309.1	763.6	17.1
Jones	34	9	.7	11.2	.5	.9	6.5	37.3	70.8	1.8
Kossuth	24	4	.9	15.1	.7	1.3	12.3	58.9	109.5	2.1
Lee	69	33	6.6	128.5	4.6	8.5	84.9	543.6	843.3	28.7
Linn	214	77	25.4	561.1	13.4	24.9	262.3	1,757.5	3,397.5	80.0
Mahaska	30	8	1.0	14.6	.7	1.3	9.2	43.0	75.0	2.6
Marion	31	11	3.5	62.9	2.7	4.6	44.5	202.1	389.4	17.0
Marshall	54	22	6.0	137.1	3.3	5.8	68.2	356.4	660.0	12.1
Monroe	12	5	.6	9.1	.5	1.0	7.3	15.0	29.5	(D)
Montgomery	15	6	1.1	19.1	.9	1.5	13.8	34.0	88.6	.9
Muscatine	79	40	7.9	172.9	5.7	11.0	107.3	786.8	1,538.1	28.3
Page	21	11	1.3	22.7	.9	1.5	14.8	58.0	129.2	6.6
Plymouth	26	9	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Polk	418	126	21.8	472.2	12.6	23.7	254.1	1,884.9	3,048.9	63.1
Pottawattamie	75	28	3.5	53.8	2.8	5.4	37.0	601.8	722.3	6.0
Poweshiek	32	13	1.4	22.4	1.1	2.1	16.3	60.1	122.8	2.2
Scott	181	67	16.1	399.3	10.4	18.5	243.1	1,395.1	2,278.9	78.1
Sioux	57	21	2.6	32.5	2.1	3.6	22.7	198.0	272.0	3.9
Story	58	14	2.9	51.1	1.9	3.6	29.9	159.3	356.2	6.0
Union	17	7	1.2	19.8	.9	1.8	13.7	40.8	78.6	2.1
Wapello	34	12	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Washington	24	10	1.0	17.8	.8	1.5	11.5	83.1	126.6	3.7
Webster	64	31	3.3	61.0	2.0	4.2	40.3	554.2	775.7	7.9
Winnebago	21	5	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Winneshiek	20	7	.7	9.8	.6	1.1	6.6	64.8	85.7	.9
Woodbury	110	52	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Wright	29	11	.9	13.0	.6	1.1	7.4	168.9	224.7	(D)

*Preliminary data.
[1]Includes establishments with payroll at any time during year.
[2](D)Data not used to avoid disclosure of individual companies. The following employee size ranges substitute for actual figures withheld to avoid disclosure: AA-150 to 249 employees; BB-250 to 499 employees; CC-500 to 999 employees; EE-1,000 to 2,499 employees; FF-2,500 employees or more.
[3]Aggregate of cost of materials and value of shipments includes extensive duplication since products of some industries are used as materials by others.
Source: 1982 Census of Manufacturers, Preliminary Statistics, Bureau of the Census, U.S. Department of Commerce.

Iowa industrial statistics by SIC code

SIC code	Geographic area, industry group, and industry[1]	1982										1977
		All establishments[2]		All employees		Production workers						
		Total (number)	With 20 employ-ees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Cost of materials[3] (million dollars)	Value of shipments[4] (million dollars)	New capital expendi-tures (million dollars)	All employees (1,000)
	IOWA											
	All Industries	3,599	1,224	213.4	4,411.1	140.5	259.9	2,654.2	19,384.6	31,456.7	691.0	240.3
20	Food and Kindred Products	483	236	44.8	949.7	32.3	63.2	668.4	10,631.2	13,745.6	195.8	46.3
201	Meat Products	116	61	22.2	486.5	18.1	34.9	399.7	6,185.4	7,179.8	39.2	24.3
2011	Meat packing Plants	65	38	17.9	420.7	14.5	27.9	347.5	5,626.6	6,461.9	31.7	20.2
2013	Sausages and other prepared meats	37	14	2.3	39.9	1.8	3.2	30.3	373.8	473.3	4.6	2.4
2016	Poultry dressing plants	8	5	1.5	19.6	1.3	2.7	16.9	139.4	178.8	1.5	1.2
2017	Poultry and egg processing	6	4	.6	6.2	.5	1.1	5.1	45.7	65.8	1.4	.5
202	Dairy products	56	32	2.9	58.6	1.9	4.3	37.9	965.2	1,202.6	15.7	3.6
2022	Cheese, natural and processed	16	11	.8	13.3	.6	1.4	10.6	369.6	421.3	4.9	.9
2023	Condensed and evaporated milk	13	8	.7	13.9	.5	1.3	11.1	232.9	320.2	6.2	.7
2026	Fluid milk	17	9	1.2	26.1	.5	1.1	11.9	317.4	403.8	3.8	1.6
203	Preserved fruits and vegetables	15	10	2.2	37.9	1.8	3.5	29.2	151.9	281.7	4.4	2.0
2033	Canned fruits and vegetables	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2038	Frozen specialties	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
204	Grain mill products	165	64	10.9	247.1	6.7	12.7	143.4	1,880.0	3,220.4	89.9	10.0
2041	Flour and other grain mill products	7	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
2043	Cereal breakfast foods	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
2046	Wet corn milling	6	6	3.2	90.0	2.1	4.0	54.7	758.9	1,181.9	44.0	3.5
2047	Dog, cat, and other pet food	14	5	1.5	33.0	1.2	2.4	26.0	241.9	625.9	9.1	CC
2048	Prepared feeds, n.e.c.	135	46	3.9	70.6	1.6	3.1	26.3	598.8	817.1	8.0	3.8
205	Bakery products	25	15	2.4	41.7	1.3	2.6	19.9	82.8	174.3	(D)	2.3
2051	Bread, cake, and related products	22	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
207	Fats and oils	34	22	1.6	31.1	1.1	2.3	19.9	1,188.4	1,315.9	31.1	1.3
2075	Soybean oil mills	17	14	1.1	23.2	.8	1.6	14.6	1,112.1	1,219.3	29.5	1.0
208	Beverages	32	19	1.5	27.7	.5	1.1	7.6	100.9	177.6	7.7	1.3
2086	Bottled and canned soft drinks	27	18	1.4	27.0	.5	1.0	7.2	98.8	174.0	7.6	1.2
209	Miscellaneous foods and kindred products	34	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2
2099	Food preparations, n.e.c.	25	10	.8	14.0	.5	1.2	6.9	65.9	171.6	(D)	EE
22	Textile mill products	13	5	.8	10.7	.6	1.2	6.7	16.4	45.8	1.2	1.2
23	Apparel and other textile products	74	34	3.6	36.0	3.3	5.4	28.6	55.7	128.3	2.4	4.4
232	Men's and boy's furnishings	15	11	1.1	9.9	1.0	1.6	8.9	16.5	41.9	1.4	1.6
2328	Men's and boy's work clothing	6	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
235	Hats, caps, and millinery	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2352	Hats and caps, except millinery	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
239	Miscellaneous fabricated textile products	41	10	.7	7.4	.5	.9	4.4	15.5	27.5	(D)	.9
24	Lumber and wood products	183	34	4.1	58.1	3.2	5.1	41.4	140.2	275.3	13.6	5.2
243	Millwork, plywood, and structural members	53	14	2.8	42.2	2.2	3.3	30.1	80.3	183.0	(D)	2.6
2431	Millwork	22	7	2.2	35.5	1.8	2.7	25.6	68.4	157.7	(D)	2.0
2434	Wood kitchen cabinets	24	7	.6	6.2	.4	.6	4.0	8.5	20.7	.4	BB
25	Furniture and fixtures	54	23	3.5	66.0	2.7	5.2	44.0	109.0	22.7	4.3	3.7
251	Household furniture	27	11	1.5	23.9	1.1	2.0	13.9	35.3	72.2	(D)	1.8
2512	Upholstered household furniture	7	6	1.0	19.0	.7	1.4	10.4	23.1	46.5	(D)	1.2
252	Office furniture	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
2522	Metal office furniture	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
26	Paper and allied products	55	37	4.6	86.6	3.5	7.1	58.3	351.6	575.6	18.7	4.8
264	Miscellaneous converted paper products	31	17	2.3	42.7	1.7	3.4	27.4	161.7	298.8	14.7	2.2
2641	Paper coating and glazing	7	6	.9	20.1	.6	1.2	12.5	94.4	162.4	10.2	.7
2643	Bags, except textile bags	7	6	1.0	16.0	.8	1.6	11.1	52.2	104.5	2.6	1.1
265	Paperboard containers and boxes	21	17	2.0	38.4	1.6	3.3	26.6	170.2	246.5	3.2	2.3
2651	Folding paperboard boxes	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2653	Corrugated and solid fiber boxes	14	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
27	Printing and publishing	791	164	17.6	270.2	9.0	16.0	128.0	477.5	1,140.1	29.6	14.6
2711	Newspapers	292	62	6.7	82.0	2.6	4.3	29.4	66.9	260.9	6.8	5.6
2721	Periodicals	29	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
273	Books	22	5	.6	9.7	.2	.5	3.4	16.3	44.4	1.2	CC
2741	Miscellaneous publishing	46	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4
275	Commercial printing	342	60	5.8	100.5	4.4	8.1	70.4	173.6	359.0	11.6	5.0
2751	Commercial printing, letterpress	112	10	1.2	16.1	.9	1.6	10.2	27.8	65.7	.7	FF
2752	Commercial printing, lithographic	221	50	4.6	84.1	3.5	6.4	60.0	145.5	292.2	10.9	2.3
2761	Manifold business forms	14	11	1.0	19.3	.8	1.4	12.6	50.1	101.8	2.0	.9
28	Chemicals and allied products	124	43	5.7	133.9	3.4	6.9	70.6	1,245.1	2,325.3	52.0	5.5
281	Industrial inorganic chemicals	18	5	.5	12.2	.3	.7	6.8	101.2	127.2	4.6	AA
2819	Industrial inorganic chemicals, n.e.c.	8	5	.5	11.2	.3	.6	6.3	98.0	118.8	3.6	(NA)
283	Drugs	20	8	1.1	24.5	.5	1.0	9.4	60.4	161.9	4.8	1.0
2834	Pharmaceutical preparations	11	6	.9	19.9	.4	.7	6.7	27.4	79.3	(D)	.9
284	Soaps, cleaners, and toilet goods	19	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0
2844	Toilet preparations	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2851	Paints and allied products	12	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6
287	Agricultural chemicals	31	13	1.7	40.3	1.0	2.0	21.9	610.3	1,033.2	25.1	1.3
2873	Nitrogenous fertilizers	5	5	.8	18.6	.4	.8	8.6	300.7	355.6	12.3	.5
2879	Agricultural chemicals, n.e.c.	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
30	Rubber and miscellaneous plastics products	119	50	8.9	181.2	6.8	12.3	130.0	435.3	926.6	29.4	11.6
3011	Tires and inner tubes	4	4	3.1	80.4	2.4	4.2	59.5	186.4	394.1	11.2	4.2
3069	Fabricated rubber products, n.e.c.	12	5	1.2	22.6	.9	1.8	16.4	39.0	81.6	3.4	EE
3079	Miscellaneous plastics products	99	38	4.2	72.9	3.3	5.7	50.1	194.0	418.5	14.5	5.5
31	Leather and leather products	18	12	.7	6.6	.6	.9	4.4	21.3	34.2	(D)	CC
32	Stone, clay, and glass products	332	54	4.8	92.3	3.7	7.2	63.8	323.6	551.4	26.9	6.9
3241	Cement, hydraulic	5	4	.7	18.0	.5	1.1	13.8	42.5	86.5	9.1	1.1
327	Concrete, gypsum, and plaster products	284	39	3.1	55.2	2.2	4.4	36.5	154.8	269.7	14.9	FF
3272	Concrete products, n.e.c.	71	10	.7	11.6	.5	1.0	7.7	17.2	39.8	(D)	1.0
3273	Ready-mixed concrete	182	22	1.5	25.7	1.1	2.0	17.0	76.6	133.4	4.7	1.9
3275	Gypsum products	5	5	.7	13.6	.5	1.1	9.6	50.1	75.4	(D(	.8
329	Miscellaneous nonmetallic mineral products	12	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
33	Primary metal industries	72	36	8.2	202.0	6.3	11.8	142.6	836.9	1,105.2	56.5	8.4
331	Blast furnace and basic steel products	6	5	.9	20.6	.6	1.3	14.9	103.3	154.7	10.3	CC
332	Iron and steel foundries	22	16	2.0	36.6	1.6	2.5	26.0	63.4	131.5	(D)	3.1
3321	Gray iron foundries	12	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6
3325	Steel foundries, n.e.c.	8	5	.9	17.0	.7	1.1	12.9	31.3	67.7	(D)	EE
335	Nonferrous rolling and drawing	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
3353	Aluminum sheet, plate, and foil	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
336	Nonferrous foundries	29	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3
3361	Aluminum foundries	18	6	.6	10.7	.5	.8	7.3	13.4	29.4	(D)	.8
3369	Nonferrous foundries, n.e.c.	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
34	Fabricated metal products	282	121	17.4	338.0	11.4	21.0	189.4	577.2	1,341.8	32.1	20.7

Iowa industrial statistics by SIC code (continued)

SIC code	Geographic area, industry group, and industry[1]	1982										1977
		All establishments[2]		All employees		Production workers						
		Total (number)	With 20 employ-ment (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Cost of materials[3] (million dollars)	Value of shipments[3] (million dollars)	New capital expendi-tures (million dollars)	All employees (1,000)
342	Cutlery, hand tools, and hardware	30	8	.9	13.7	.6	1.1	8.6	22.3	61.5	.6	.8
344	Fabricated structural metal products	116	50	4.3	74.6	3.0	5.8	44.9	201.6	351.8	8.5	FF
3441	Fabricated structural metal	28	14	1.3	22.7	.7	1.5	11.5	55.0	87.5	1.8	1.4
3442	Metal doors, sash, and trim	21	8	1.0	16.2	.8	1.6	11.9	37.6	69.5	2.6	1.5
3443	Fabricated plate work (boiler shops)	18	8	.5	8.1	.4	.7	5.4	20.9	40.2	1.6	.9
3444	Sheet metal work	24	8	.6	10.7	.4	.8	6.5	35.8	65.2	1.1	1.0
3448	Prefabricated metal buildings	10	7	.6	10.1	.4	.8	5.5	36.6	57.6	1.1	.7
345	Screw machine products, bolts, etc.	17	10	.8	12.9	.6	1.1	8.0	26.1	53.6	1.5	.8
3451	Screw machine products	11	6	.5	7.6	.3	.6	4.8	13.8	30.8	.9	CC
346	Metal forgings and stampings	29	13	2.1	34.9	1.6	2.8	22.5	54.9	143.8	4.4	2.8
3465	Automotive stampings	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
3469	Metal stampings, n.e.c.	19	7	1.3	22.0	1.0	1.6	13.0	29.7	87.4	3.0	2.4
348	Ordnance and accessories, n.e.c.	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
3483	Ammunition, except for small arms, n.e.c.	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
349	Miscellaneous fabricated metal products	56	30	7.0	154.3	4.0	7.4	75.8	189.5	532.5	14.9	6.8
3494	Valves and pipe fittings	12	8	4.4	104.4	2.3	4.2	48.9	122.5	354.9	11.7	4.5
3496	Miscellaneous fabricated wire products	13	7	.6	9.5	.4	.8	6.3	13.0	32.8	1.3	.4
3499	Fabricated metal products, n.e.c.	25	11	1.9	37.6	1.1	2.2	18.2	47.1	132.7	1.8	1.8
35	Machinery, except electrical	563	205	49.7	1,233.0	32.0	56.3	739.8	2,914.0	6,185.5	138.7	61.5
351	Engines and turbines	10	10	2.3	62.1	1.6	2.8	40.1	248.3	400.5	8.0	2.7
3519	Internal combustion engines, n.e.c.	9	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7
352	Farm and garden machinery	157	66	19.2	528.5	13.1	24.2	341.2	1,389.6	3,041.6	60.3	25.6
3523	Farm machinery and equipment	155	65	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
3524	Lawn and garden equipment	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
353	Construction and related machinery	62	40	15.9	401.4	9.6	15.6	219.1	925.2	1,810.9	50.5	20.0
3531	Construction machinery	34	21	14.5	373.4	8.7	14.0	204.8	873.7	1,703.3	47.6	18.8
3535	Conveyors and conveying equipment	12	8	.5	9.0	.3	.6	4.9	21.3	40.9	.5	.6
354	Metalworking machinery	77	22	1.8	36.9	1.2	2.3	22.1	31.3	90.4	2.1	2.3
3544	Special dies, tools, jigs, and fixtures	50	11	.6	13.1	.5	.9	10.6	9.2	26.9	1.1	.6
355	Special industry machinery	34	15	2.3	53.9	1.4	2.6	31.4	93.5	264.4	4.3	2.4
3551	Food products machinery	11	6	1.2	26.6	.6	1.1	13.6	23.4	93.8	(D)	1.2
3555	Printing trades machinery	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3559	Special industry machinery, n.e.c.	20	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
356	General industrial machinery	53	19	3.5	68.9	2.1	3.7	39.0	98.5	283.6	8.1	3.5
3561	Pumps and pumping equipment	10	5	2.2	45.5	1.2	2.1	23.0	64.6	208.0	(D)	2.5
357	Office and computing machines	8	4	.6	10.0	.2	.3	3.9	8.0	23.4	.8	BB
3573	Electronic computing equipment	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
358	Refrigeration and service machinery	20	12	2.2	40.8	1.4	2.6	23.8	80.3	175.0	1.4	2.7
3585	Refrigeration and heating equipment	5	4	1.1	22.7	.7	1.4	13.6	47.2	107.6	.8	1.4
359	Miscellaneous machinery, except electrical	142	17	1.9	30.4	1.3	2.3	19.3	39.2	95.8	3.2	EE
3599	Machinery, except electrical, n.e.c.	141	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
36	Electric and electronic equipment	100	53	22.0	438.1	13.2	24.1	213.3	767.2	1,867.1	58.4	23.6
361	Electric distributing equipment	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
3613	Switchgear and switchboard apparatus	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
362	Electrical industrial apparatus	15	7	1.0	15.0	.7	1.3	8.6	19.7	64.9	1.6	.7
3622	Industrial controls	8	4	.7	10.8	.4	.9	5.9	11.6	42.5	(D)	BB
363	Household appliances	10	7	4.8	94.1	3.5	6.0	63.4	319.8	632.8	9.1	FF
3631	Household cooking equipment	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
3633	Household laundry equipment	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
366	Communication equipment	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
3662	Radio and TV communication equipment	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
367	Electric components and accessories	30	14	2.3	33.8	1.6	3.3	22.1	45.1	109.5	17.4	3.1
3676	Electronic resistors	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3679	Electronic components, n.e.c.	22	7	1.1	16.3	.6	1.3	8.9	29.3	62.9	(D)	CC
369	Miscellaneous electrical equipment and supplies	13	9	1.9	34.6	1.6	2.8	27.6	97.6	200.4	6.3	1.5
3691	Storage batteries	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3692	Primary batteries, dry and wet	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3694	Engine electrical equipment	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
37	Transportation equipment	88	35	5.2	88.4	3.8	7.1	54.5	282.9	492.1	17.5	FF
371	Motor vehicles and equipment	60	30	4.5	72.5	3.3	6.1	46.5	259.8	442.4	(D)	7.1
3714	Motor vehicle parts and accessories	24	12	1.7	26.1	1.3	2.4	19.3	65.1	144.6	4.0	2.0
3715	Truck trailers	8	5	.6	10.3	.4	.8	6.4	51.4	64.8	1.1	CC
3716	Motor homes produced on purchased chassis	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
38	Instruments and related products	39	10	1.9	36.1	1.2	2.3	20.8	35.1	131.2	4.3	2.9
2811	Engineering and scientific instruments	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8
382	Measuring and controlling devices	13	4	.9	15.1	.6	1.1	10.5	13.0	48.2	.8	1.5
3822	Environmental controls	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
39	Miscellaneous manufacturing Industries	120	36	5.9	88.1	3.6	6.9	47.9	146.3	33.9	8.5	5.4
394	Toys and sporting goods	29	12	2.0	31.1	1.4	2.5	17.2	61.8	131.6	3.8	1.9
3944	Games, toys, and children's vehicles	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3949	Sporting and athletic goods, n.e.c.	23	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
395	Pens, pencils, and office and art supplies	8	6	1.4	20.8	1.0	2.1	13.8	32.4	84.1	(D)	1.6
3951	Pens and mechanical pencils	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
399	Miscellaneous manufactures	67	12	2.2	32.8	1.0	1.9	14.8	47.1	107.6	1.9	1.5
3991	Brooms and brushes	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3993	Signs and advertising displays	33	4	1.3	20.1	.3	.7	5.4	28.0	60.6	.5	.7
—	Auxiliaries	75	31	3.7	92.9	—	—	—	—	—	—	—

*Preliminary data.

[1]Statistics for some industry groups and industries have been withheld to avoid disclosing data for individual companies and to permit further verification of data for smaller industries. Statistics for industry groups shown include data for all component industries, regardless of whether data are shown for individual industries in group. Data for all industries with 150 manufacturing employees or more will be included in final publication if figures do not disclose data for individual companies. The following employee size ranges substitute for actual figures withheld to avoid disclosure: AA-150 to 249 employees; BB-250 to 499 employees; CC-500 to 999 employees; EE-1,000 to 2,499 employees; FF-2,500 employees or more.

[2]Includes establishments with payroll at any time during year.

[3]Aggregate of cost of materials and value of shipments includes extensive duplication since products of some industries are used as materials by others.

Source: 1982 Census of Manufacturers, Preliminary Statistics, Bureau of the Census, U.S. Department of Commerce.

U.S. industrial statistics, 1982

	All establishments[1,2]		All employees[1]		Production workers			Cost of materials[3] (million dollars)	Value of shipments[3] (million dollars)	New capital expenditures (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)			
United States	**358,099**	**123,139**	**19,137.2**	**380,608.6**	**12,415.2**	**23,579.7**	**205,041.2**	**1,131,500.9**	**1,964,408.7**	**75,779.8**
Alabama	5,525	1,966	329.2	5,225.0	253.5	479.3	3,597.9	17,529.8	29,804.2	1,540.1
Alaska	445	144	12.8	269.5	10.0	18.3	196.6	1,805.8	2,579.9	58.5
Arizona	3,407	854	148.7	3,000.2	85.7	163.0	1,392.4	6,658.3	12,763.7	758.2
Arkansas	3,315	1,161	189.8	2,826.0	148.6	279.0	1,933.0	12,217.8	19,964.4	702.5
California	47,643	14,472	2,040.5	43,508.0	1,215.4	2,337.1	20,674.9	106,098.0	200,988.5	8,828.7
Colorado	4,407	1,167	191.2	3,982.0	109.8	207.5	1,875.4	9,965.5	17,974.1	892.6
Connecticut	6,696	2,538	423.9	9,027.3	244.8	477.8	4,091.9	13,668.8	29,995.1	1,051.3
Delaware	632	247	67.7	1,740.2	31.4	60.1	554.7	5,886.6	8,372.8	322.1
District of Columbia	516	127	16.4	389.2	6.6	13.2	123.0	606.4	1,537.1	55.1
Florida	13,721	3,601	454.1	7,750.2	292.5	566.4	3,958.3	20,666.7	38,705.1	1,958.9
Georgia	8,543	3,152	503.4	7,916.4	369.7	704.6	4,866.8	29,195.4	48,171.9	2,150.5
Hawaii	967	237	23.6	360.4	16.0	29.9	217.5	2,361.3	3,445.9	89.8
Idaho	1,405	354	47.6	864.8	34.0	62.6	545.2	3,222.5	5,369.6	147.3
Illinois	18,620	7,098	1,077.2	22,797.7	671.5	1,261.5	11,958.8	64,273.7	113,359.5	3,489.2
Indiana	7,962	3,181	584.6	12,535.5	406.0	759.2	7,821.1	36,748.3	63,306.1	2,224.9
Iowa	3,599	1,224	213.4	4,411.1	140.5	259.9	2,654.2	19,384.6	31,456.7	691.0
Kansas	3,238	1,102	170.4	3,315.2	113.0	218.0	1,962.1	18,105.6	27,303.5	619.7
Kentucky	3,504	1,353	246.3	4,637.1	173.9	319.8	2,874.9	17,642.1	29,580.0	996.9
Louisiana	4,105	1,330	202.4	4,323.6	142.9	281.9	2,746.3	45,278.8	57,529.7	2,648.4
Maine	2,001	614	110.1	1,773.7	86.3	165.6	1,235.6	4,617.2	8,642.3	510.2
Maryland	3,875	1,380	232.9	4,826.2	145.7	270.0	2,547.2	11,212.4	21,213.2	718.7
Massachusetts	11,000	4,284	644.4	12,356.3	397.8	766.5	5,998.6	22,498.3	48,599.5	1,776.7
Michigan	15,158	5,006	885.9	22,282.8	564.0	1,089.9	12,519.0	59,405.3	99,049.3	3,514.9
Minnesota	6,773	2,215	351.0	7,437.2	201.3	380.2	3,439.3	19,946.4	35,488.9	1,216.6
Mississippi	3,123	1,222	202.0	2,880.4	158.5	299.0	1,977.2	11,577.9	19,486.5	1,154.3
Missouri	7,070	2,464	406.6	8,012.6	257.0	477.7	4,203.1	24,191.6	41,579.9	1,469.9
Montana	1,090	176	20.2	379.1	14.6	27.0	265.0	2,954.5	3,677.4	74.6
Nebraska	1,928	632	91.1	1,623.7	64.4	124.2	1,014.2	10,620.5	15,124.5	245.2
Nevada	853	177	20.4	356.4	13.1	24.9	209.7	895.4	1,755.6	80.3
New Hampshire	1,980	722	107.5	1,793.2	75.6	143.9	1,056.1	3,609.9	7,932.9	244.1
New Jersey	15,128	5,751	750.6	15,718.0	441.0	843.8	7,227.8	38,699.6	70,698.5	2,067.4
New Mexico	1,223	299	33.0	524.6	22.2	41.8	298.6	2,420.7	3,887.8	120.8
New York	32,651	10,666	1,415.4	29,078.4	837.4	1,617.6	13,285.6	57,984.4	121,566.7	4,388.1
North Carolina	10,135	4,376	799.5	11,736.6	605.4	1,118.0	7,304.8	35,723.0	64,283.4	2,457.9
North Dakota	587	141	14.7	239.5	9.4	17.4	136.6	1,791.1	2,409.6	100.3
Ohio	16,975	6,523	1,106.7	24,773.9	696.0	1,328.8	13,834.0	62,171.4	112,734.2	4,269.3
Oklahoma	4,169	1,247	188.4	3,832.2	121.7	235.1	2,073.5	15,015.1	23,145.3	844.2
Oregon	5,657	1,442	184.9	3,783.3	129.4	241.8	2,332.0	9,872.5	17,895.3	659.3
Pennsylvania	17,570	7,498	1,175.3	23,147.0	772.5	1,435.1	12,853.7	56,580.7	102,873.6	3,425.9
Rhode Island	2,855	943	114.8	1,780.5	82.8	157.9	1,054.5	3,836.6	7,660.4	189.0
South Carolina	4,203	1,721	367.2	5,532.4	279.3	521.9	3,577.4	15,491.8	27,819.3	1,495.4
South Dakota	748	205	24.5	397.9	17.5	32.7	261.9	1,905.1	3,012.0	62.3
Tennessee	6,417	2,613	460.3	7,354.6	336.9	628.7	4,595.1	22,554.7	40,673.7	2,051.2
Texas	20,304	7,010	1,060.9	21,493.4	670.4	1,307.6	11,264.2	117,223.7	171,456.2	8,193.2
Utah	1,965	581	83.6	1,554.9	54.3	103.2	844.4	5,472.6	9,035.8	328.6
Vermont	1,104	310	46.8	862.7	30.0	56.2	433.8	1,682.6	3,730.4	270.9
Virginia	5,569	2,037	401.8	7,116.6	287.4	541.1	4,192.0	19,677.6	36,861.1	1,528.9
Washington	6,785	1,707	291.4	6,683.2	177.5	326.8	3,622.5	23,222.1	34,658.8	1,086.8
West Virginia	1,664	561	96.0	2,012.7	65.2	121.9	1,233.6	5,767.4	10,249.2	394.6
Wisconsin	8,678	3,193	496.2	10,201.9	328.2	621.1	5,989.9	29,480.3	52,441.2	1,564.7
Wyoming	511	115	9.9	183.3	6.6	13.2	115.3	2,082.5	2,558.4	49.8

[1]Includes auxiliaries
[2]Includes establishments with payroll at any time during year.
[3]Aggregate of cost of materials and value of shipments figures includes extensive duplication, since products of some industries are used as materials by others (see appendix).
Source: 1982 Census of Manufacturers, Preliminary Statistics, Bureau of the Census, U.S. Department of Commerce.

Insurance business in Iowa

	1960	1965	1970	1975	1980	1981	1982	1983
Life Companies								
Number	16	29	29	28	35	37	36	38
Admitted assets	$2,284,785	$ 3,105,280	$ 4,223,141	$ 6,565,897	$12,836,050	$13,896,780	$15,639,624	$17,602,900
Total income	405,093	640,652	961,904	1,754,093	3,602,457	3,977,279	4,719,347	5,336,928
Life premiums	207,030	317,730	466,722	896,234	1,399,880	1,845,073	1,307,196	1,350,694
Accident-health	55,072	109,358	192,334	323,564	714,887	625,098	931,952	1,176,633
Total disbursements	289,578	444,496	708,793	1,206,172	2,380,849	2,901,238	3,367,046	3,777,780
Direct benefits	136,849	212,267	337,543	534,119	840,036	820,425	1,357,578	1,569,179
Iowa business in force	1,639,897	2,914,357	4,987,814	5,618,159	1,080,420	14,419,694	15,808,671	16,925,205
Total business in force	8,017,330	13,097,593	22,469,072	40,218,032	93,025,891	89,598,941	102,037,501	114,060,973
Fire, Casualty, Multiple Line Companies								
Number	45	46	41	42	49	50	51	58
Admitted assets	$ 287,551	$ 352,149	$ 561,444	$ 946,412	$2,530,505	$2,703,771	$2,874,998	$3,090,154
Total liabilities	181,739	225,681	382,558	655,550	1,713,203	1,822,139	1,898,712	2,008,614
Total premiums	209,573	252,155	421,012	719,164	1,416,334	1,491,154	1,476,736	1,513,954
Total direct losses	114,793	147,199	244,086	402,297	836,870	832,359	986,886	1,005,994
Net income	9,888	4,682	22,300	597	154,888	87,217	64,159	91,797
Life insurance								
Life considerations	$ 159,408	$ 222,335	$ 309,870	$ 434,581	$ 510,024	$ 571,483	$ 596,750	$ 669,604
Direct claims and benefits	45,246	108,378	155,075	188,382	333,045	300,486	391,022	449,785
In force December 31	7,712,277	11,548,791	18,082,838	25,346,285	31,329,457	46,598,920	57,419,043	62,908,920
Accident and Health								
Total premiums	44,818	99,309	164,701	231,070	340,943	380,508	393,214	460,344
Group premiums			100,447	148,272	228,478	261,683	279,470	306,059
Total claims	27,766	66,950	120,896	203,168	242,179	281,302	304,094	302,472
Group claims			88,066	124,931	189,299	244,752	223,207	228,814
Fire, Casualty, Multiple Line								
Total Premiums	210,573	251,676	385,706	652,630	1,368,433	1,271,699	1,263,617	1,257,715
Fire	26,719	23,412	30,442	38,104	45,235	39,322	44,730	33,305
Homeowners	11,416	22,697	35,509	65,556	114,433	118,341	123,897	125,288
Auto liability (BI, PD)	42,716	60,618	89,424	141,975	260,185	268,298	261,506	268,932
Auto physical damage	34,192	41,988	66,195	95,412	200,670	201,606	203,006	208,018
Workmen's compensation	12,747	16,543	27,134	69,048	191,169	197,048	171,744	162,511
Total direct losses	110,780	136,127	203,300	342,009	753,361	687,528	655,021	678,335
Fire	10,435	10,853	14,079	15,028	20,547	17,449	17,836	17,273
Homeowners	4,651	12,803	19,542	30,457	104,986	64,647	65,989	60,049
Auto liability (BI, PD)	23,535	36,502	57,240	88,941	128,602	143,631	157,108	163,649
Auto physical damage	18,021	23,121	39,406	72,796	142,572	117,899	122,082	122,034
Workmen's compensation	7,478	9,525	15,198	30,700	79,751	87,231	92,920	95,933

Source: Annual Report, Insurance Department, State of Iowa.

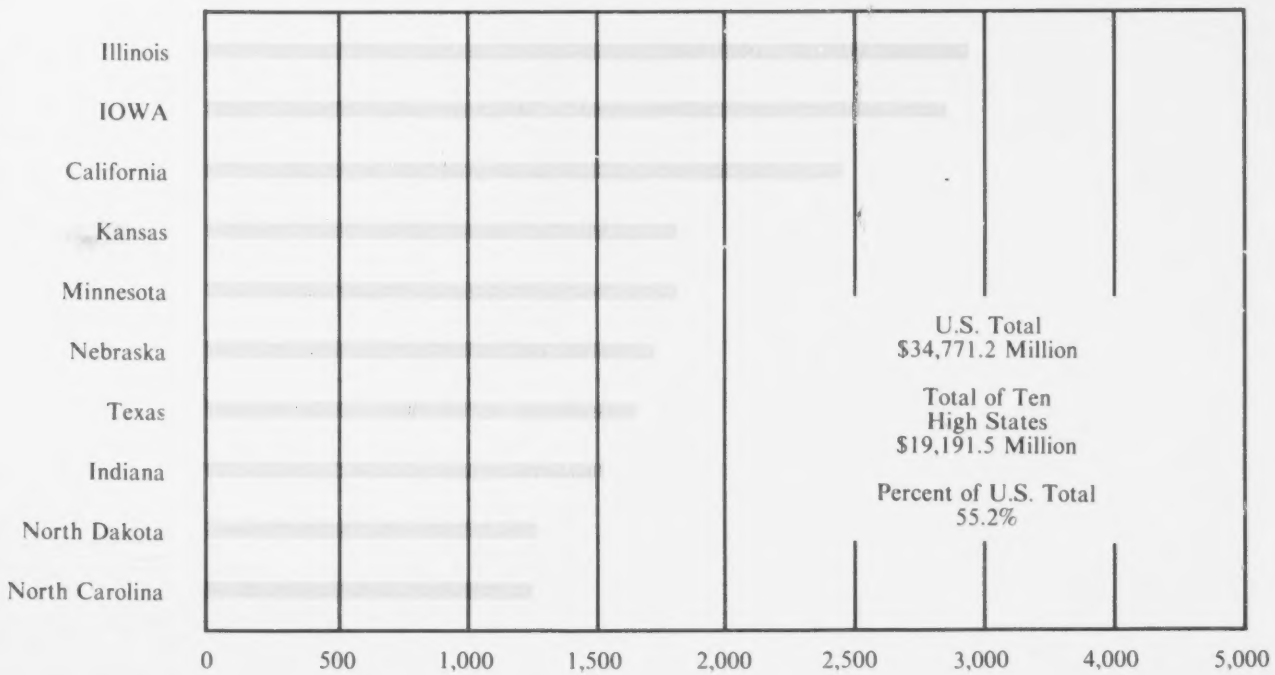
International

Iowa exported an estimated $5.25 billion in 1983, more than 2.8 billion dollars of which was agricultural. In addition, more than 800 manufacturers export, totaling an approximate value of $1,807 per Iowa in 1983.

Leading exports include feed grains, soybeans, machinery, chemicals and electrical equipment. The IDC provides information and aid to help exporters with trade regulations, shipping and working arrangements with overseas firms.

Our offices in Frankfurt and Hong Kong facilitate these efforts from abroad.

Ten leading states in agricultural exports ($ millions)



* = Year ending September 30.
Source: May/June, 1984; FATUS, U.S.D.A.

Value of agricultural exports, Iowa (millions)

(Fiscal Year October-September)

	1970	1975	1980	1981	1982r	1983
All Commodities	$515.1	$1,723.5	$3,270.3	$3,763.8	$3,215.4	$2,846.9
Wheat and Flour	.8	5.4	8.0	12.1	39.0**	31.6**
Feed Grains[1]	145.5	787.1	1,627.3	1,956.6	1,456.2	1,390.9
Soybeans	170.7	489.8	1,180.2	1,428.9	1,374.0	1,095.0
Soybean Oil	22.1	64.0	*	*	*	*
Protein Meal	50.6	110.3	*	*	*	*
Fruits and Preparations	—	.1	.3	.2	.0	.0
Vegetables and Preparations	.1	.5	1.0	.6	.0	.0
Dairy Products	8.7	12.0	11.9	11.2	15.0	23.0
Meats and Products[2]	24.5	60.3	95.3	127.8	125.5	110.8
Hides and Skins	12.6	24.4	62.3	52.7	58.9	55.1
Poultry Products	2.1	2.4	6.2	7.9	6.4	6.6
Lard and Tallow	24.8	38.4	54.2	66.2	61.6	51.0
Other[3]	52.6	128.8	223.6	72.5	78.9	82.9

r Revised.
* = Now tabulated as part of soybeans and products.
** = Includes wheat, wheat flour and bulgur wheat.
[1]Includes corn, barley, oats, grain sorghum, rye, corn gluten feed, corn-soy blends, corn oil, popcorn and other coarse grain products.
[2]Does not include poultry.
[3]Includes seeds, feeds and fodder, and miscellaneous animal products.
Source: May/June, 1984; FATUS, U.S.D.A.

Value of agricultural exports, U.S. (millions)

(Fiscal Year October-September)

	1970	1975	1980	1981	1982r	1983
All Commodities	$6,721.4	$21,854.3	$40,480.5	$43,780.1	$39,094.5	$34,771.2
Wheat and Flour	941.6	5,236.8	6,632.7	8,051.7	7,675.1**	6,225.8**
Feed Grains[1]	987.3	4,858.3	9,628.1	11,148.8	7,684.6	7,340.1
Soybeans	1,069.0	2,988.7	8,587.8	8,042.3	8,429.9	7,776.4
Soybean Oil	138.7	387.3	*	*	*	*
Protein Meal	322.6	685.5	*	*	*	*
Fruits and Preparations	343.2	674.6	1,299.7	1,513.2	1,394.1	1,374.3
Vegetables and Preparations	196.8	533.9	954.2	1,445.7	1,442.1	989.4
Dairy Products	109.1	143.0	156.3	337.7	367.8	348.0
Meats and Products[2]	152.8	381.9	870.7	1,180.0	1,230.3	1,189.8
Hides and Skins	158.4	393.3	1,115.3	1,002.0	1,021.2	997.5
Poultry Products	76.0	112.0	546.5	765.2	579.0	451.1
Lard and Tallow	208.1	400.6	784.4	758.9	701.6	593.2
Other[3]	650.2	1,632.9	2,767.5	2,996.0	2,389.0	2,282.4

r = Revised.
* = Now tabulated as part of soybeans and products.
** = Includes wheat, wheat flour and bulgur wheat.
[1]Includes corn, barley, oats, grain sorghum, rye, corn gluten feed, corn-soy blends, corn oil, popcorn and other coarse grain products.
[2]Does not include poultry.
[3]Includes seeds, feeds and fodder, and miscellaneous animal products.
Source: May/June, 1984; FATUS, U.S.D.A.

Value of agricultural exports, Midwest

Twelve Midwest states account for 51.5% of total U.S. agricultural exports in 1983.

(figures in millions)

*Year ending September 30.
Source: May/June, 1984; FATUS, U.S.D.A.

	1983*
Illinois	$2,944.6
Indiana	1,506.7
IOWA	2,846.9
Kansas	1,820.4
Michigan	674.6
Minnesota	1,819.7
Missouri	1,018.1
Nebraska	1,754.9
North Dakota	1,271.1
Ohio	1,073.0
South Dakota	632.4
Wisconsin	545.2
U.S.A.	34,771.2

Leading states in agricultural exports, 1983[1] (millions)

Selected Commodities	United States	5 Leading States				
		1	2	3	4	5
All Commodities	$34,771.2	Ill. 2,944.6	IOWA 2,846.9	Calif. 2,471.2	Kans. 1,820.4	Minn. 1,819.7
Soybeans and Products[2]	7,776.4	Ill. 1,253.5	IOWA 1,095.0	Mo. 629.3	Ind. 625.7	Minn. 596.3
Feed Grains and Products[3]	7,340.1	Ill. 1,416.0	IOWA 1,390.9	Neb. 910.9	Ind. 687.0	Minn. 604.1
Wheat and Products	6,225.8	Kans. 1,092.0	N.Dak. 712.6	Okla. 539.2	Wash. 465.2	Mont. 415.2
Hides and Skins	997.5	Tex. 94.8	Neb. 62.6	IOWA 55.1	Kans. 55.0	Okla. 43.6
Meats and Products[4]	1,189.8	IOWA 110.8	Tex. 104.3	Neb. 73.7	Ky. 64.4	Kans. 59.0
Fats, Oils and Greases	593.2	Tex. 67.1	IOWA 51.0	Neb. 48.4	Kans. 40.9	Okla. 31.3
Dairy Products	348.0	Wis. 72.9	Calif. 70.8	Minn. 57.4	Mich. 23.3	IOWA 23.0

[1]Fiscal year ending September 30.
[2]Includes soybean oil and protein meal.
[3]Includes corn, barley, oats, grain sorghum, rye, corn gluten feed, corn-soy blends, corn oil, popcorn and other coarse grain products.
[4]Excludes poultry.
Source: May/June, 1984; FATUS, U.S.D.A.

Iowa's top 10 agricultural export customers, 1983

MEAT AND PRODUCTS	
1. Japan	$44,268,000
2. France	7,347,000
3. Canada	6,231,000
4. United Kingdom	2,511,000
5. Saudi Arabia	2,325,000
6. Belgium	2,232,000
7. Mexico	2,046,000
8. Netherlands	1,953,000
9. Egypt	1,767,000
10. Venezuela	1,674,000

FEEDS AND FODDERS**	
1. Netherlands	$47,472,000
2. Fed. Rep. Germany	11,040,000
3. Japan	10,524,800
4. Canada	3,900,800
5. United Kingdom	2,723,200
6. Trinidad	2,060,800
7. Taiwan	1,692,800
8. Hong Kong	883,200
9. Mexico	515,200
10. Bahamas	515,200

FEED GRAINS AND PRODUCTS*	
1. Japan	$322,339,000
2. Mexico	180,404,000
3. Korea	93,613,000
4. Taiwan	82,053,500
5. Spain	65,188,000
6. USSR	62,345,500
7. Portugal	55,713,000
8. Belgium	55,334,000
9. China	47,375,000
10. Egypt	38,279,000

SOYBEANS AND PRODUCTS	
1. Netherlands	$220,070,400
2. Japan	158,681,600
3. Fed. Rep. Germany	97,433,600
4. Spain	77,017,600
5. Italy	54,208,000
6. Taiwan	47,308,800
7. Mexico	37,875,200
8. Belgium	37,171,200
9. Korea	25,344,000
10. Portugal	24,499,200

*Includes barley, corn, oats, and sorghum grain.
**Includes corn gluten meal, alfalfa and alfalfa meal, formula feeds, citrus pulp, pellets and meal.
These figures were derived from the contribution of state and region to national output and/or sales. They do not show actual exports, but reflect the common stake of state and region in the national export total.
Source: May/June, 1984; FATUS, U.S.D.A.
Compiled by Iowa Department of Agriculture.

Manufactured exports, Iowa (millions)

SIC Code	Product Category	1960	1966	1972	1976	1980	1981
	Total Exports	$211.4	$336.9	$589.6	$1,499.8	$2,844.8	$2,705.0
20	Food & Kindred Products	51.4	58.6	130.5	262.1	369.6	450.4
21	Tobacco Manufactures	—	—	—	—		
22	Textile Mill Products	—	—	—	—	9	4
23	Apparel & Other Textile Mill Products	0.7	T	—	—	2.2	5.7
24	Lumber & Wood Products	1.0	T	—	12.1	16.6	20.9
25	Furniture & Fixtures	0.2	S	—	0.9	.8	1.5
26	Paper & Allied Products	—	S	—	7.2	13.2	14.1
27	Printing & Publishing	1.3	T	—	6.8	4.3	5.2
28	Chemicals & Allied Products	3.8	9.3	39.4	83.9	410.0	300.7
29	Petroleum & Coal Products	—	0.9	—	—		
30	Rubber & Plastics	3.8	6.3	14.4	51.9	75.2	85.9
31	Leather & Leather Products	S	—	—	—		
32	Stone, Clay & Glass	—	0.1	—	3.1	4.8	5.2
33	Primary Metal Industries	2.3	U	—	24.2	187.2	137.5
34	Fabricated Metal Products	5.7	9.9	14.7	46.2	94.1	107.2
35	Machinery, except electrical	92.3	165.6	269.6	745.5	1,364.0	1,252.6
36	Electrical Equipment & Supplies	30.3	51.6	87.9	194.1	186.4	183.5
37	Transportation Equipment	S	3.2	15.9	20.3		
38	Instruments & Related Products	—	T	—	7.6	10.7	10.9
39	Misc. Mfg.	12.2	14.7	—	28.6	59.6	58.2

(S) Less than $1.0 million
(T) $1.0 but less than $5.0 million
(U) $5.0 but less than $10.0 million
(V) $10.0 but less than $25.0 million

Source: Origin of Exports of Manufactured Products, 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Manufactured exports, Midwest states

Selected Midwest States	1980 Total direct manufactured export (million dollars)	1980 Supporting exports (million dollars)	1980 Total export related (million dollars)	1980 Manufacturing employment direct exported related (1,000)	1981 Total direct manufactured export (million dollars)	1981 Supporting exports (million dollars)	1981 Total export related (million dollars)	1981 Manufacturing employment direct exported related (1,000)
United States	151,216.2	98,585.2	249,801.4	1,486.4	164,283.1	107,419.5	271,702.6	1,486.0
IOWA	2,834.4	1,082.6	3,917.0	21.5	2,705.0	1,235.4	3,940.4	19.3
Illinois	10,084.3	6,360.3	16,444.6	88.0	10,368.7	6,670.2	17,038.9	84.0
Indiana	4,512.7	4,228.5	8,741.2	43.4	5,008.1	4,684.1	9,692.2	45.2
Kansas	1,439.4	1,029.0	2,468.4	13.3	1,516.6	1,161.3	2,677.9	14.2
Michigan	8,764.5	4,730.1	13,494.6	75.5	10,275.0	5,237.3	15,512.3	74.4
Minnesota	2,574.7	1,334.4	3,909.1	26.9	2,729.5	1,405.1	4,134.6	26.3
Missouri	2,381.9	1,781.9	4,163.8	21.6	3,012.6	1,848.8	4,861.4	26.8
Nebraska	745.5	508.3	1,253.8	4.6	945.3	532.0	1,477.3	6.0
Ohio	10,200.4	7,194.0	17,394.4	103.0	10,352.6	7,779.7	18,132.3	96.1
South Dakota	169.6	75.0	244.6	1.3	185.2	81.8	267.0	1.2
Wisconsin	3,836.0	2,371.5	6,207.5	42.8	4,031.4	2,558.7	6,590.1	39.3

N/A = Not applicable

Source: Origin of Exports of Manufactured Products, 1980 and 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Economic contribution of manufactured Iowa exports

SIC		value of manufacturers' shipments					manufacturing employment				
		Total[1] (million dollars)	Direct exports[2] (million dollars)	Supporting exports[3] (million dollars)	Total exported related[4] (million dollars)	Total export related as percent of total shipments	Total[5] (1,000)	Direct export related[6] (1,000)	Supporting exports[7]	Total export related[8] (1,000)	Total export related as percent of total employment
		A	B	C	D	E	F	G	H	I	J
	Iowa	33,220.6	2,705.0	1,235.4	3,940.4	11.8	235.8	19.3	9.2	28.5	12.0
20	Food and kindred products	13,463.0	450.4	276.3	726.7	5.3	46.1	1.1	0.9	2.0	4.3
22	Textile mill products	19.7	0.4	0.9	1.3	6.5	0.3	(Z)	(Z)	(Z)	(Z)
23	Apparel and other textiles	164.7	5.7	2.8	8.5	5.1	4.4	.1	.1	.2	4.5
24	Lumber and wood products	281.9	20.9	16.9	37.8	13.4	4.6	.2	.3	.5	10.8
25	Furniture and fixtures	268.2	1.5	2.2	3.7	1.3	4.0	(Z)	(Z)	(Z)	(Z)
26	Paper and allied products	592.4	14.1	47.3	61.4	10.3	5.0	(Z)	.4	.4	7.9
27	Printing and publishing	1,024.9	5.2	14.3	19.5	1.9	17.0	(Z)	.2	.2	1.1
28	Chemicals and allied products	2,482.6	300.7	217.6	518.3	20.8	7.2	.7	.5	1.2	16.6
30	Rubber, miscellaneous plastic products	972.0	85.9	60.3	146.2	15.0	10.3	.9	.6	1.5	14.5
32	Stone, clay, glass products	651.9	5.2	28.1	33.3	5.1	6.2	(Z)	.3	.3	4.8
33	Primary metal industries	1,326.9	137.5	198.0	335.5	25.2	8.7	.6	1.3	1.9	21.8
34	Fabricated metal products	1,405.5	107.2	37.4	194.6	13.8	18.1	1.3	1.1	2.4	13.2
35	Machinery except electrical	7,488.5	1,252.6	196.7	1,449.3	19.3	61.7	9.4	1.9	11.3	18.3
36	Electric, electronic equipment	1,907.1	183.5	59.0	242.5	12.7	23.3	2.6	.7	3.3	14.1
38	Instruments, related products	95.5	10.9	3.3	14.2	14.8	1.7	.1	.1	.2	11.7
39	Miscellaneous manufacturing industries	429.6	58.2	4.9	63.1	14.6	5.7	1.1	.1	1.2	21.0
—	Administrative, auxiliary	(X)	(X)	(X)	(X)	(X)	3.6	(X)	.5	.5	13.8

(X) Not applicable.
(Z) Less than one-half of the unit of measurement shown.
[1]Includes total domestic and export shipments for all manufacturing establishments.
[2]Includes only the value of manufactured products exported by the producing plants.
[3]Includes shipments of components, parts, supplies, etc., used by plants producing the export product.
[4]Total export related shipments are the sum of columns B and C.
[5]Includes employees of central administrative offices and auxiliaries (warehouses, garages, repair shops, etc.) serving operating manufacturing establishments.
[6]Employment is limited to paid employees in manufacturing plants producing the export product.
[7]Manufacturing employment at establishments producing components, parts, supplies, etc. for use by plants producing for export.
[8]The employment totals shown are the sum of columns G and H.
Source: Origin of Exports of Manufactured Products, 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Iowa exports contribute to U.S. balance of payments

Agricultural Exports
(millions of dollars)

	1983 Iowa	1983 U.S.	% of U.S. Share
Wheat and Products	31.6	6,225.8	.51
Feed Grains[1]	1,390.9	7,340.1	18.95
Soybeans and Products[2]	1,095.0	7,776.4	14.09
Fruits and Preparations	.0	1,374.3	.00
Vegetables and Preparations	.0	989.4	.00
Dairy Products	23.0	348.0	6.61
Meats and Products	110.8	1,189.8	9.32
Hides and Skins	55.1	997.5	5.53
Poultry Products	6.6	451.1	1.47
Fats, Oils and Greases	51.0	593.2	8.60
Other[3]	82.9	2,282.4	3.64
Total	2,846.9	34,771.2	8.19

[1]Includes corn, barley, oats, grain sorghum, rye, corn gluten feed, corn-soy blends, corn oil, popcorn and the coarse grain products.
[2]Includes soybean oil and protein meal.
[3]Includes seeds, feed and fodder, and miscellaneous animal products.
Source: May/June, 1984; FATUS, U.S.D.A.

Manufactured Exports

Sic Code	Product Category	1981 Iowa	1981 U.S.	% of U.S. Share
20	Food and Kindred Products	450.4	12,142.2	3.71
21	Tobacco Manufacturers	—	2,142.9	—
22	Textile Mill Products	.4	2,570.9	.02
23	Apparel and Other Textile Mill Products	5.7	1,340.2	.43
24	Lumber and Wood Products	20.9	2,628.0	.80
25	Furniture and Fixtures	1.5	531.7	.28
26	Paper and Allied Products	14.1	4,108.2	.34
27	Printing and Publishing	5.2	1,283.5	.40
28	Chemicals and Allied Products	300.7	19,331.5	1.55
29	Petroleum and Coal Products	—	3,349.3	—
30	Rubber and Plastics	85.9	2,677.9	3.20
31	Leather and Leather Products	—	523.7	—
32	Stone, Clay and Glass	5.2	1,806.0	.29
33	Primary Metal Industries	137.5	6,163.2	2.23
34	Fabricated Metal Products	107.2	7,057.9	1.52
35	Machinery, except Electrical	1,252.6	38,429.8	3.26
36	Electrical Equipment and Supplies	183.5	16,494.3	1.11
37	Transportation Equipment	—	31,166.1	—
38	Instruments and Related Products	10.9	8,004.4	.14
39	Misc. Mfg.	58.2	2,531.5	2.29
	Total Exports	2,705.0	164,283.10	1.64

Source: Origin of Exports of Manufactured Products, 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Foreign investment in U.S. and Iowa, 1980

The countries of Canada, Germany and the United Kingdom account for 60% of the direct investment in Iowa. Manufacturing industries attracted 67% of all foreign investment in 1980, followed by 13% in real estate.

(in millions of dollars)

	U.S.	% of Total	Iowa	% of Total
Canada	$ 23,141	18.1%	$195	26.2%
Germany	14,605	11.4	166	22.3
United Kingdom	24,619	19.3	147	19.7
Netherlands	28,376	22.2	67	9.0
France	9,936	7.8	35	4.7
Japan	5,287	4.1	35	4.7
Others	21,874	17.1	100	13.4
Total Foreign Investment	$127,838	—	$745	—

Source: Foreign, Direct Investment in the United States, 1980; Bureau of Economic Analysis, U.S. Department of Commerce.

Foreign direct investment in manufacturing, 1980 (in millions of dollars)

	Food and Kindred Products	Chemicals and Allied Products	Primary and Fabricated Metals	Machinery	Other	Total Manufacturing Investment	Total Investment in all Industries
United States	$4,262	$18,327	$6,122	$6,547	$11,433	$46,691	$127,838
Illinois	197	619	358	432	385	1,991	4,532
IOWA	*	216	*	88	107	499	745
Kansas	*	85	9	83	*	327	633
Michigan	*	273	93	334	*	1,174	3,510
Minnesota	43	48	*	143	*	590	2,470
Nebraska	*	55	7	*	2	84	261
Missouri	41	373	273	64	241	992	1,463
Ohio	*	410	675	240	*	2,110	4,120
Indiana	96	394	53	138	389	1,070	1,632
Wisconsin	133	110	28	219	507	997	1,797
South Dakota	18	*	*	*	1	29	110

* = Suppressed to avoid disclosure of data of individual companies.
Source: Foreign Direct Investment in the United States, 1980; Bureau of Analysis, U.S. Department of Commerce.

Mining

Mineral production[1]

Nonfuel mineral production in Iowa[1]
(thousand short tons)

Mineral	1979		1980		1981		1982		1983	
	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)	Quantity	Value (thousands)
Cement:										
Masonry	69	$ 3,844	48	$ 3,340	41	$ 3,227	W	W	37	$ 3,425
Portland	2,371	109,628	1,998	101,008	1,779	92,099	1,622	$ 82,225	1,644	87,836
Clays	870	2,883	754	2,555	476	2,375	437	2,392	576	3,258
Gem Stones	—	—	—	—	XX	1	XX	1	XX	1
Gypsum	1,695	13,777	1,468	13,136	1,383	12,706	1,177	11,345	1,612	13,518
Peat	11	270	11	276	10	453	*	*	*	*
Sand and gravel	17,495	39,686	(2)12,683	(2)32,722	p12,100	p32,000	10,064	25,618	p11,800	p32,800
Stone:										
Crushed	32,471	103,215	26,542	92,603	22,424	82,891	22,600	88,800	24,844	101,097
Dimension	10	508	10	509	W	W	W	W	W	W
Combined value of other nonmetals and value indicated by symbol W	XX	4,090	XX	5,727	XX	6,559	XX	8,256	XX	5,425
Total	XX	$277,901	XX	$251,876	XX	232,311	XX	218,637	XX	247,360

* = Included in combined value of other nonmetals.
p = Preliminary.
XX = Not applicable.
W = Withheld to avoid disclosing company proprietary data.
[1]Production as measured by mine shipments, sales, or marketable production (including consumption by producers).
[2]Excludes industrial sand; value included in "Combined value" figure.
Source: Bureau of Mines, Minerals Yearbook 1983, U.S. Department of the Interior.

Coal production

Year	Quantity (short tons)	Avg. Mine[1] Price/ton	Total Value
1950	1,891,000	$ 3.69	$ 6,977,000
1960	1,068,000	3.60	3,845,000
1965	1,043,000	3.54	3,694,000
1970	987,000	4.11	4,059,000
1975	622,000	11.08	6,891,000
1979	726,744	19.08	13,866,300
1980	559,404	21.33	11,932,100
1981	708,137	20.00	14,162,700
1982r	566,322	21.81	12,351,483
1983	385,320	27.06	10,426,759

r = Revised.
[1]Unwashed coal.
Source: Office of Surface Mining, Bureau of Mines, U.S. Department of Interior.

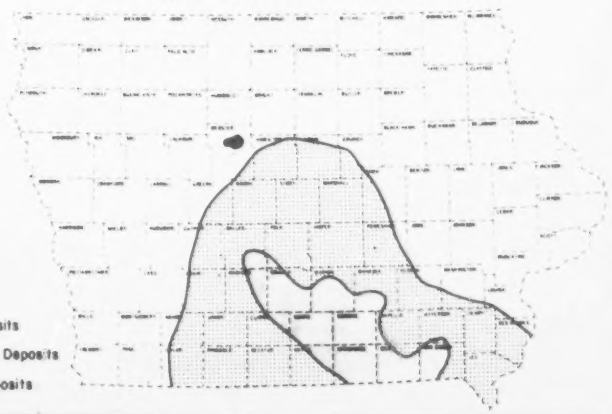
Distribution of Pennsylvania Rock

Summary of reserves

The estimated original coal reserves of Iowa total 7,236.54 million short tons, of which 3,500.72 million tons is classed as measured and indicated reserves and 3,735.82 million tons is classed as inferred. A total area of about 1,316,040 acres in 37 counties was included in the reserve calculations; an additional area of about 1,291,830 acres in 44 counties is indicated by the currently available information to be favorable for the presence of coal beds more than 14 inches thick.

Source: Coal Resources of Iowa, Technical Paper #4 Iowa Geological Survey, 1965.

Gypsum Resource Areas



Mineral production by county[2] (thousands of dollars)

County	1981	1982	Minerals produced in 1982 in order of value
Adair	W	[3]	
Adams	W	[3]	
Allamakee	$ 311	$ 76	Sand and gravel.
Appanoose	W	W	Clays, sand and gravel.
Audubon	[4]	W	Sand and gravel.
Benton	W	W	Do.
Black Hawk	W	964	Do.
Boone	[4]	1,644	Do.
Bremer	W	[3]	
Buchanan	1,247	W	Sand and gravel.
Buena Vista	[4]	W	Do.
Butler	520	W	Do.
Calhoun	[4]	70	Do.
Carroll	[4]	397	Do.
Cass	W	W	Do.
Cedar	W	W	Do.
Cerro Gordo	W	W	Clement, clays, sand and gravel.
Cherokee	[4]	398	Sand and gravel.
Chickasaw	377	[3]	
Clarke	466	[3]	
Clay	[4]	342	Sand and gravel.
Clayton	W	W	Sand (industrial), sand and gravel.
Clinton	1,752	W	Sand and gravel.
Crawford	[4]	[3]	
Dallas	W	W	Sand and gravel, clays.
Davis	W	[3]	
Decatur	610	[3]	
Delaware	1,048	W	Sand and gravel.
Des Moines	W	W	Gypsum, sand and gravel.
Dickinson	[4]	382	Sand and gravel.
Dubuque	W	[3]	
Emmett	[4]	W	Sand and gravel.
Fayette	1,223	W	Do.
Floyd	W	81	Do.
Franklin	W	172	Do.
Fremont	284	[3]	
Greene	[4]	524	Sand and gravel.
Grundy	[4]	[3]	
Guthrie	[4]	210	Sand and gravel.
Hamilton	518	W	Do.
Hancock	W	W	Sand and gravel, peat.
Hardin	6,527	W	Sand and gravel.
Harrison	1,085	[3]	
Henry	W	[3]	
Howard	392	45	Sand and gravel.
Humboldt	952	W	Do.
Ida	[4]	W	Do.
Iowa	—	W	Do.
Jackson	1,016	W	Do.
Jasper	322	W	[illegible]
Jefferson	W	[3]	
Johnson	W	W	Sand and gravel.
Jones	2,171	465	Do.
Keokuk	W	W	Do.
Kossuth	[4]	97	Do.
Lee	W	175	Do.
Linn	W	958	Sand and gravel, peat.
Louisa	W	W	Sand and gravel.
Lyon	[4]	290	Do.
Madison	W	W	Clays.
Mahaska	151	[3]	
Marion	W	W	Sand and gravel, gypsum.
Marshall	W	557	Sand and gravel.
Mills	240	[3]	
Mitchell	W	W	Sand and gravel.
Monona	[4]	W	Do.
Monroe	863	[3]	
Montgomery	1,404	[3]	
Muscatine	W	479	Sand and gravel.
O'Brien	[4]	W	Do.
Osceola	[4]	304	Do.
Page	420	W	Do.
Palo Alto	[4]	W	Do.
Plymouth	[4]	1,350	Do.
Pocahontas	W	[3]	
Polk	13,889	W	Cement, sand and gravel.
Pottawattamie	W	W	Sand and gravel.
Poweshiek	W	[3]	
Sac	[4]	1,196	Sand and gravel.
Scott	34,715	W	Cement, lime, clays.
Shelby	[4]	W	Sand and gravel.
Sioux	[4]	667	Do.
Story	W	W	Do.
Tama	W	W	Do.
Taylor	216	[3]	
Union	W	[3]	
Van Buren	1,465	W	Sand and gravel.
Wapello	W	W	Sand and gravel, clays.
Washington	W	W	Sand and gravel.
Webster	W	8,810	Gypsum, sand and gravel.
Winnebago	W	W	Peat.
Winneshiek	2,150	174	Sand and gravel.
Woodbury	W	W	Sand and gravel.
Worth	1,037	W	Sand and gravel.
Wright	[4]	W	Sand and gravel.
Undistributed[5]	122,939	109,009	
Sand and gravel	[6]29,080	XX	
Stone	XX	[6]88,800	
Total[7]	$229,391	$218,637	

[e] = Estimated.
W = Withheld to avoid disclosing company proprietary data; included with "Undistributed."
XX = Not applicable.
[1]Ringgold and Wayne Counties not listed because no nonfuel mineral production was reported.
[2]County distribution for construction sand and gravel (1981), and crushed stone (1982) is not available.
[3]Crushed stone was produced; data not available by county.
[4]Construction sand and gravel was produced; data not available by county.
[5]Includes gem stones and stone (dimension,1982) that cannot be assigned to specific counties and values indicated by symbol W.
[6]Data may not add to totals shown because of independent rounding.
Source: Bureau of Mines, 1983 Minerals Yearbook, U.S. Department of the Interior.

Midwest nonfuel mineral production, 1983

State	Value (Thousands)	U.S. Rank	Percent of U.S. Total	Principal minerals in order of value
Illinois	$ 406,907	19	1.93	Stone, cement, sand and gravel
Indiana	250,452	26	1.19	Stone, cement, sand and gravel, lime
IOWA	247,360	27	1.17	Stone, cement, sand and gravel, gypsum
Kansas	267,004	25	1.26	Cement, salt, stone, sand and gravel
Minnesota	1,455,030	4	6.88	Iron ore, sand and gravel, stone
Missouri	725,809	8	3.43	Lead, cement, stone, lime
Nebraska	94,844	41	.45	Cement, stone, sand and gravel, lime
Ohio	479,144	15	2.27	Stone, salt, lime, sand and gravel
South Dakota	222,251	32	1.05	Gold, cement, dimension stone
Wisconsin	101,191	39	.48	Lime, sand and gravel, sodium carborate
U.S. Total	$21,134,000	XX	20.11	

XX = Not applicable.
Source: Bureau of Mines, Minerals Yearbook 1983, U.S. Department of Interior.

Population

Urban/rural trend, 1840-1980

The population of the state of Iowa is 2,913,808, over half of which is urban. The state's largest county, Polk County, has a population of 303,170.

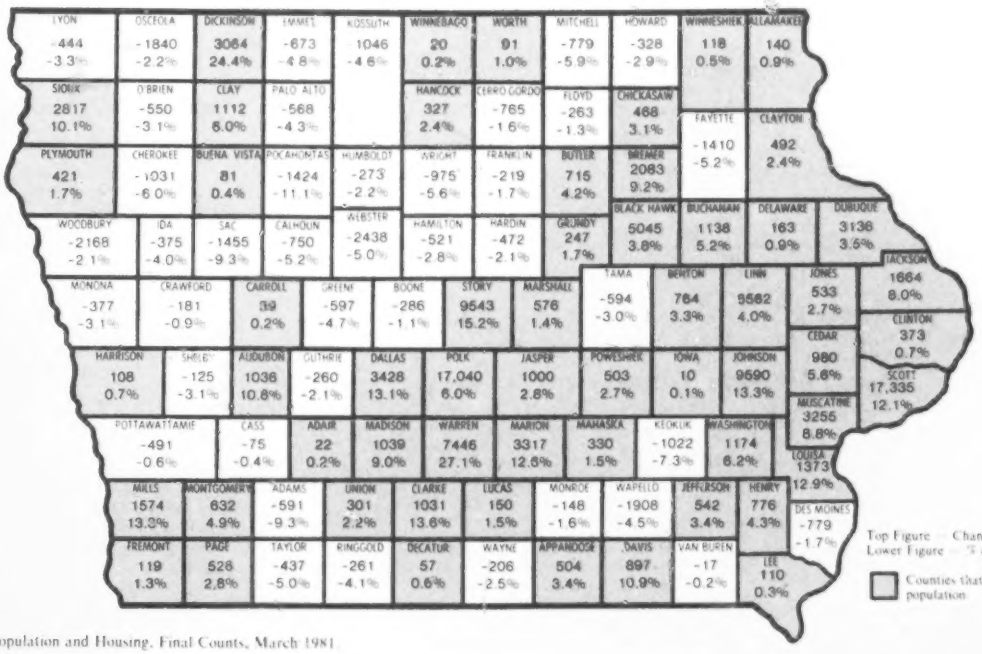
Iowa's ten largest cities are: Des Moines, 191,003; Cedar Rapids, 110,243; Davenport, 103,243; Sioux City, 82,003; Waterloo, 75,985; Dubuque, 62,321; Council Bluffs, 56,449; Iowa City, 50,508; Ames, 45,775; and Cedar Falls, 36,322.

	The State			Urban				Rural			Percent of total	
		Change From Preceding Census		Places of 2,500 or More		Change From Preceding Census			Change From Preceding Census			
	Population[1]	Number	Percent		Population	Number	Percent	Population	Number	Percent	Urban	Rural
Current urban definition:												
1980 (Apr. 1)	2,913,808	88,440	3.1	124	1,708,232	91,827	5.7	1,205,576	2,395	0.2	58.6	41.4
1970 (Apr. 1)	2,825,041	67,504	2.4	111	1,616,405	153,893	10.5	1,207,971	-87,054	-6.7	57.2	42.8
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,462,512	211,574	16.9	1,295,025	-75,110	-5.5	53.0	47.0
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,250,938	...	...	1,370,135	...	...	47.7	52.3
Previous urban definition:												
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,439,525	210,092	17.1	1,318,012	-73,628	-5.3	52.2	47.8
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,229,433	145,202	13.4	1,391,640	-62,397	-4.3	46.9	53.1
1940 (Apr. 1)	2,538,268	67,329	2.7	89	1,084,231	104,939	10.7	1,454,037	-37,610	-2.5	42.7	57.3
1930 (Apr. 1)	2,470,939	66,918	2.8	81	979,292	103,797	11.9	1,491,647	-36,879	-2.4	39.6	60.4
1920 (Jan. 1)	2,404,021	179,250	8.1	81	875,495	195,441	28.7	1,528,526	-16,191	-1.0	36.4	63.6
1910 (Apr. 15)	2,224,771	7,082	0.3	69	680,054	107,668	18.8	1,544,717	-114,750	-6.9	30.6	69.4
1900 (June 1)	2,231,853	319,556	16.7	70	572,386	166,622	41.1	1,659,467	152,934	10.2	25.6	74.4
1890 (June 1)	1,912,297	287,682	17.7	46	405,764	158,337	64.0	1,506,533	129,345	9.4	21.2	78.8
1880 (June 1)	1,624,615	430,595	36.1	34	247,427	91,100	58.3	1,377,188	339,495	32.7	15.2	84.8
1870 (June 1)	1,194,020	519,107	76.9	22	156,327	96,299	160.5	1,037,693	422,808	68.8	13.1	86.9
1860 (June 1)	674,913	482,699	251.1	9	60,028	50,298	516.9	614,885	432,401	237.0	8.9	91.1
1850 (June 1)	192,214	149,102	345.8	3	9,730	9,730	...	182,484	139,372	323.3	5.1	94.9
1840 (June 1)	43,112[1]	...	...	...	...	...	...	43,112	...	...	...	100.0

[1] Includes population of area now constituting that part of Minnesota lying west of the Mississippi River and a line drawn from its source northward to the Canadian boundary. This area formed part of Iowa Territory in 1840.

Source: 1980 Census of Population. U.S. Department of Commerce, Bureau of the Census.

Population change 1970-1980



Source: 1980 Census of Population and Housing, Final Counts, March 1981.

Iowa's 100 fastest growing communities

Places (Ranked)	1970-80 % Change
Johnston	1,078.9
Asbury	392.0
De Soto	180.5
Bondurant	177.7
Wahpeton	149.7
Grimes	136.6
Polk City	131.9
Pleasant Hill	127.6
Long Grove	121.6
Eldridge	113.6
Peosta	110.5
Sergeant Bluff	107.6
West Okoboji	107.1
Buck Grove	104.9
Huxley	101.1
Altoona	99.9
Hiawatha	99.7
Clive	96.5
Plain View	95.7
Treynor	94.9
North Liberty	93.9
Crescent	92.6
Shueyville	86.4
Millville	85.2
Swan	82.1
Ankeny	68.6
McCausland	68.6
Lakeside	66.9
LeGrand	63.0
Van Meter	61.0
Beacon	56.8
Swisher	56.8
Okoboji	54.8
Ely	54.5
Gilbert	54.5
Norwalk	53.4
Princeton	52.4
Fremont	52.1
Branson	49.7
Hudson	47.7
Atalissa	47.5
Luxemburg	46.5
Coburg	44.4
Walcott	44.1
Dakota City	43.7
Martensdale	43.1
Bankston	42.9
Ridgeway	41.3
Montrose	41.2
Waukee	41.2
West Branch	41.2
Denver	40.9
Badger	40.4
Hazelton	40.1
Westphalia	39.7
Meriden	39.5
Readlyn	39.3
Milo	38.7
Tiffin	38.1
Orleans	37.9
Carlisle	36.8
Camanche	36.2
Mediapolis	35.7
Superior	35.3
Vining	35.2
Hinton	35.0
Monroe	35.0
Barnum	34.7
Westfield	34.5
Balltown	34.2
Donahue	33.8
Packwood	33.8
Parnell	33.7
Wilton	33.6
Blue Grass	33.4
Colo	33.3
Fredenia	33.3
West Des Moines	33.2
Sioux Center	33.0
Grandview	32.5
Cushing	32.4
Kinross	31.9
Spirit Lake	31.9
Williamsburg	31.7
Dolliver	31.6
North Buena Vista	31.4
Story City	31.3
Hartford	30.8
Stanton	30.1
New Sharon	29.8
Ionia	29.6
Floris	29.0
Westgate	28.9
Garner	28.8
Delphos	28.6
Orange City	28.4
Newhall	28.2
Franklin	27.9

Source: 1980 Census of Population and Housing, March 1981.

Population by sex and age

Age	Total	Female	Male
Under 1 year	47,988	23,966	24,022
1-2 years	89,624	43,388	46,236
3-4 years	83,833	41,091	42,742
5 years	41,112	19,844	21,268
6 years	39,162	19,543	19,619
7-9 years	130,197	63,369	66,828
10-13 years	183,448	89,405	94,043
14 years	48,915	23,855	25,060
15 years	52,403	25,484	26,919
16 years	55,285	26,598	28,687
17 years	55,474	27,884	27,590
18 years	56,695	28,658	28,037
19 years	57,836	28,891	28,945
20 years	57,148	29,019	28,129
21 years	55,213	27,579	27,634
22-24 years	159,373	79,587	79,786
25-29 years	241,119	118,652	122,467
30-34 years	208,686	103,557	105,129
35-44 years	302,628	153,156	149,479
45-54 years	281,293	144,495	136,798
55-59 years	144,553	74,941	69,612
60-61 years	55,477	29,425	26,052
62-64 years	78,864	42,298	36,566
65-74 years	216,681	121,790	94,891
75-84 years	126,935	80,495	46,440
85 years and over	43,866	30,712	13,154
Total	2,913,808	1,497,682	1,415,705
Median Age	30.0		

Source: 1980 Census of Population and Housing, U.S. Department of Commerce, Bureau of the Census.

Population and land area of counties, 1970-1980

	Land Area in Square Miles, 1980	1980 Population					1970 Population			Percent Change, 1970 to 1980		
		Total		Urban		Rural						
		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
IOWA	55,965	2,913,808	52.1	1,708,232	58.6	1,205,576	2,825,041	1,616,405	1,207,971	3.1	5.7	-0.2
Adair	569	9,509	16.7	—	—	9,509	9,487	—	9,487	.2	—	.2
Adams	426	5,731	13.4	—	—	5,731	6,322	—	6,322	-9.3	—	-9.3
Allamakee	636	15,108	23.8	3,775	25.0	11,333	14,968	3,883	11,085	.9	-2.7	2.2
Appanoose	523	15,511	29.7	6,558	42.3	8,953	15,007	6,531	8,476	3.4	.4	5.6
Audubon	448	8,559	19.1	2,841	33.2	5,718	9,595	2,907	6,688	-10.8	-2.3	-16.9
Benton	718	23,649	32.9	7,943	33.6	15,706	22,885	7,655	15,230	3.3	3.7	3.1
Black Hawk	568	137,961	240.8	120,290	87.2	17,671	132,916	112,881	20,035	3.8	3.7	3.8
Boone	573	26,184	45.7	12,602	48.1	13,582	26,470	12,468	14,002	-1.1	1.1	-2.9
Bremer	439	24,820	56.5	8,444	34.0	16,376	22,737	7,205	15,532	9.2	17.2	5.4
Buchanan	568	22,900	40.3	6,360	27.8	16,540	21,762	5,910	15,836	5.2	8.0	4.4
Buena Vista	572	20,774	36.3	8,814	42.4	11,960	20,693	8,591	12,102	.4	2.6	-1.1
Butler	582	17,668	30.4	—	—	17,668	16,953	—	16,953	4.2	—	4.2
Calhoun	571	13,542	23.7	—	—	13,542	14,292	—	14,292	-5.2	—	-5.2
Carroll	574	22,951	39.9	9,705	42.3	13,246	22,912	8,716	14,196	.2	11.3	-6.7
Cass	559	16,932	30.3	7,789	46.0	9,143	17,007	7,306	9,701	-0.4	6.6	-5.7
Cedar	585	18,635	31.9	3,055	16.4	15,580	17,655	2,877	14,778	5.6	6.2	5.4
Cerro Gordo	575	48,458	84.3	37,602	77.6	10,856	49,223	36,921	12,414	-1.6	1.8	-12.5
Cherokee	573	16,238	28.3	7,004	43.1	9,234	17,269	7,272	9,997	-6.0	-3.7	-7.6
Chickasaw	505	15,437	30.6	3,940	25.5	11,497	14,969	3,621	11,348	3.1	8.8	1.3
Clarke	429	8,612	20.1	3,750	43.5	4,862	7,581	3,124	4,457	13.6	20.0	9.0
Clay	570	19,576	34.3	11,726	59.8	7,850	18,464	10,278	8,186	6.0	14.1	4.1
Clayton	779	21,098	27.1	—	—	21,098	20,606	—	20,606	2.4	—	2.4
Clinton	693	57,122	82.4	42,065	73.6	15,057	56,749	41,836	14,913	.7	.5	.9
Crawford	716	18,935	26.4	6,675	35.2	12,260	19,116	6,218	12,898	-.9	7.3	-4.9
Dallas	597	29,513	49.4	9,899	33.5	19,614	26,085	6,906	19,179	13.1	43.3	2.2
Davis	509	9,104	17.8	2,849	31.3	6,255	8,207	2,718	5,489	10.9	4.8	13.9
Decatur	530	9,794	18.5	2,705	27.6	7,089	9,737	2,540	7,197	.6	6.5	-1.5
Delaware	572	18,933	33.1	4,942	26.1	13,991	18,770	4,641	14,056	.9	6.5	-.4
Des Moines	408	46,203	113.2	32,630	70.6	13,573	46,982	35,505	11,477	-1.7	-8.0	18.3
Dickinson	380	15,629	41.1	3,976	26.0	11,293	12,565	3,014	9,551	24.4	31.9	18.2
Dubuque	612	93,745	153.2	66,027	70.4	27,718	90,609	66,506	24,103	3.5	-.7	15.0
Emmet	394	13,336	33.8	7,518	56.4	5,818	14,009	8,108	5,901	-4.8	-7.3	-1.4
Fayette	728	25,488	35.1	10,347	40.6	15,141	26,898	10,359	16,539	-5.2	-.1	-8.5
Floyd	503	19,597	40.0	8,778	44.8	10,819	19,860	9,268	10,592	-1.3	-5.3	2.1
Franklin	586	13,036	22.2	4,630	35.5	8,406	13,255	4,376	8,879	-1.7	5.8	-5.3
Freemont	524	9,401	17.9	—	—	9,401	9,282	—	9,282	1.3	—	1.3
Greene	569	12,119	21.3	4,854	40.1	7,265	12,716	4,735	7,981	-4.7	2.5	-9.0
Grundy	501	14,366	28.7	2,880	20.1	11,486	14,119	2,712	11,407	1.7	6.2	.7
Guthrie	596	11,983	20.1	—	—	11,983	12,243	—	12,243	-2.1	—	-2.1
Hamilton	577	17,862	31.0	8,572	48.0	9,290	18,383	8,488	9,895	-2.8	1.0	-6.1
Hancock	570	13,833	24.3	2,908	21.0	10,925	13,506	2,372	13,112	2.4	22.6	-16.7
Hardin	574	21,776	37.9	9,237	42.4	12,529	22,248	9,677	12,571	-2.2	-4.5	-.3
Harrison	696	16,348	23.5	3,107	19.0	13,241	16,240	3,519	12,721	.7	-11.7	4.1
Henry	440	18,890	42.9	7,322	38.8	11,568	18,114	7,007	11,107	4.3	4.5	4.2
Howard	471	11,114	23.6	3,860	34.7	7,254	11,442	3,927	7,515	-2.9	-1.7	-3.5
Humboldt	435	12,246	28.2	4,794	39.1	7,452	12,519	4,665	7,854	-2.2	2.8	-5.1
Ida	431	8,908	20.7	—	—	8,908	9,283	—	9,190	-4.0	—	-4.0
Iowa	584	15,429	26.4	—	—	15,429	15,419	—	15,419	.1	—	.1
Jackson	644	22,503	30.5	6,313	28.1	16,190	20,839	5,677	15,162	8.0	11.2	6.8
Jasper	737	36,425	49.4	15,292	42.0	21,133	35,425	15,619	19,806	2.8	-2.1	6.7
Jefferson	436	16,316	37.4	9,428	57.8	6,888	15,774	8,715	7,059	3.4	8.2	-2.4
Johnson	619	81,717	132.0	64,508	78.9	17,209	72,127	52,980	19,147	13.3	21.8	-10.1
Jones	585	20,401	34.9	8,599	42.1	11,802	19,868	7,898	11,970	2.7	8.9	-1.4
Keokuk	579	12,921	22.3	—	—	12,921	13,943	—	13,943	-7.3	—	-7.3
Kossuth	979	21,891	22.4	6,289	28.7	15,602	22,937	6,032	16,905	-4.6	4.3	-7.7
Lee	527	43,106	81.8	27,056	62.8	16,050	42,996	28,627	14,369	.3	-5.5	11.7
Linn	717	169,775	236.8	137,867	81.2	31,808	163,213	135,026	28,187	4.0	2.1	12.8
Louisa	403	12,055	29.9	—	—	12,055	10,682	—	10,682	12.9	—	12.9
Lucas	434	10,313	23.8	4,987	48.4	5,326	10,163	5,009	5,154	1.5	-.4	3.3
Lyon	588	12,896	22.1	2,693	20.9	10,203	13,340	2,632	10,708	-3.3	2.3	-4.7
Madison	564	12,597	22.3	4,021	31.9	8,576	11,558	3,654	7,904	9.0	10.0	8.5
Mahaska	572	22,867	48.1	10,989	51.9	11,969	22,177	11,224	10,953	1.5	-5.3	8.4
Marion	498	29,669	59.6	16,492	55.6	13,177	26,352	14,423	11,929	12.6	14.3	10.5
Marshall	574	41,562	72.6	26,938	64.7	14,714	41,076	26,219	14,857	-1.4	2.7	-1.0
Mills	447	13,406	30.0	5,280	39.4	8,126	11,832	4,195	7,411	13.3	25.9	9.6
Mitchell	467	12,329	26.4	3,718	30.2	8,611	13,108	3,815	9,293	-5.9	-2.5	-7.3
Monona	699	11,692	16.7	3,283	28.1	8,409	12,069	3,154	8,915	-3.1	4.1	-5.7
Monroe	435	9,209	21.2	4,184	45.4	5,025	9,357	4,151	5,206	-1.6	.8	-3.4
Montgomery	422	13,413	31.8	6,810	50.1	6,603	12,781	6,210	6,571	4.9	9.7	.4
Muscatine	443	40,436	91.3	22,309	79.9	17,827	37,181	22,405	14,776	8.8	-.4	20.6
O'Brien	575	16,972	29.5	5,003	29.5	11,969	17,522	4,535	12,987	-3.1	10.3	-7.8
Osceola	398	8,371	21.0	3,051	36.4	5,320	8,555	2,749	5,806	-2.2	11.0	-8.4
Page	535	19,063	35.6	11,732	61.5	7,331	18,537	11,388	7,119	2.8	3.0	2.9

Population and land area (continued)

	Land Area in Square Miles, 1980	1980 Population					1970 Population			Percent Change, 1970 to 1980		
		Total		Urban		Rural						
		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
Palo Alto	561	12,721	22.7	4,621	36.3	8,100	13,289	4,150	9,139	-4.3	11.3	-11.4
Plymouth	863	24,743	28.7	8,853	35.8	15,890	24,322	8,159	16,153	1.7	1.9	-1.6
Pocahontas	581	11,369	19.6	—	—	11,369	12,793	—	12,729	-11.1	—	-11.1
Polk	578	303,170	524.5	272,680	89.9	30,490	286,130	265,764	20,337	6.0	2.6	49.9
Pottawattamie	963	86,561	89.8	59,887	69.2	26,613	86,991	64,847	22,144	-.6	-7.6	20.1
Poweshiek	589	19,306	32.7	8,868	45.9	10,438	18,803	8,402	10,401	2.7	5.5	.1
Ringgold	538	6,112	11.4	—	—	6,112	6,373	—	6,373	-4.1	—	-4.1
Sac	578	14,118	24.2	3,000	21.2	11,118	15,573	3,268	12,305	-9.3	-8.2	9.6
Scott	454	160,022	352.2	136,823	85.5	23,199	142,687	126,295	16,392	12.1	8.3	41.5
Shelby	587	15,043	25.6	5,357	35.6	9,686	15,528	5,049	10,479	-3.1	6.1	-7.6
Sioux	766	30,813	40.2	19,607	63.6	11,206	27,996	9,811	18,185	10.1	99.8	-38.4
Story	568	72,326	127.3	54,449	75.3	17,877	62,783	44,457	18,326	15.2	22.5	-2.5
Tama	720	19,533	27.1	5,413	27.7	14,120	20,147	3,000	17,147	-3.0	80.4	-17.7
Taylor	528	8,353	15.8	—	—	8,353	8,790	—	8,790	-5.0	—	-5.0
Union	425	13,858	32.6	8,429	60.8	5,429	13,557	8,234	5,323	2.2	2.4	2.0
Van Buren	487	8,626	17.7	—	—	8,626	8,643	—	8,643	-.2	—	-.2
Wapello	437	40,241	92.0	27,381	68.0	12,860	42,149	29,610	12,539	-4.5	-7.2	2.6
Warren	558	34,878	62.5	16,592	47.6	18,286	27,432	10,917	16,515	27.1	52.0	10.7
Washington	568	20,141	34.5	6,584	32.7	13,557	18,967	6,317	12,650	6.2	4.2	7.2
Wayne	532	8,199	15.4	—	—	8,199	8,405	—	8,405	-2.5	—	-2.5
Webster	718	45,953	64.0	29,423	64.0	16,530	48,391	31,263	17,128	-5.9	-5.9	-3.5
Winnebago	401	13,010	32.4	4,270	32.8	8,740	12,990	3,726	9,264	.2	14.6	-5.7
Winneshiek	688	21,876	31.8	7,991	36.5	13,885	21,758	7,458	14,300	.5	7.1	-2.9
Woodbury	871	100,884	115.8	82,003	81.3	18,881	103,052	87,157	15,895	-2.1	-5.9	18.8
Worth	400	9,075	22.7	—	—	9,075	8,984	—	8,984	1.0	—	1.0
Wright	577	16,319	28.3	9,889	60.6	6,430	17,294	7,461	9,833	-5.6	32.5	-34.6

Source: 1980 Census of Population and Housing, March, 1981. Compiled by Iowa Development Commission.

Summary of communities with population of 2,000 or more

City	Persons								Housing Units		
				Race							
	1980	1970	% Change 1970-80	White	Black	Am. Indian Eskimo & Aleut	Asian & Pacific Islander	Other	Spanish Origin	1980	1970	% Change 1970-80
Adel	2,846	2,419	17.7	2,829	2	0	6	9	22	1,208	882	37.0
Albia	4,184	4,151	.8	4,162	12	2	3	5	17	1,990	1,674	13.2
Algona	6,289	6,032	4.3	6,254	5	4	14	12	45	2,512	2,090	20.2
Altoona	5,764	2,883	99.9	5,706	9	7	16	26	37	1,964	849	131.3
Ames	45,775	39,505	15.9	43,073	271	43	1,189	699	543	14,809	11,038	34.2
Anamosa	4,958	4,389	13.0	4,832	94	16	4	12	31	1,654	1,319	25.4
Ankeny	15,429	9,151	68.6	15,224	70	18	59	48	98	5,611	2,641	112.5
Atlantic	7,789	7,306	6.6	7,715	9	6	33	26	24	3,353	2,810	19.3
Audubon	2,841	2,907	-2.3	2,823	0	0	8	10	10	1,230	1,091	12.7
Belle Plaine	2,903	2,810	3.3	2,888	1	4	1	9	14	1,303	1,153	13.0
Belmond	2,505	2,358	6.2	2,483	0	0	10	12	18	1,060	843	25.7
Bettendorf	27,381	22,126	23.8	26,724	239	48	202	168	439	9,668	6,445	50.0
Bloomfield	2,849	2,718	4.8	2,818	15	2	3	11	5	1,305	1,108	17.8
Boone	12,602	12,468	1.1	12,510	21	5	27	37	65	5,316	4,590	15.8
Burlington	29,529	32,366	-8.8	28,254	964	45	99	166	383	12,090	11,979	.9
Camanche	4,725	3,470	36.2	4,697	11	5	7	5	38	1,654	1,077	53.6
Carlisle	3,073	2,246	36.8	3,048	3	2	8	12	17	1,092	698	56.4
Carroll	9,705	8,716	11.3	9,657	1	10	29	8	58	3,545	2,683	32.1
Carter Lake	3,438	3,268	5.2	3,378	0	23	14	14	98	1,127	885	27.3
Cedar Falls	36,222	29,597	22.7	35,477	332	59	303	151	227	12,189	8,286	47.1
Cedar Rapids	110,243	110,642	-0.4	106,342	2,555	199	535	612	1,014	43,541	37,979	14.6
Centerville	6,558	6,531	0.4	6,369	99	25	34	31	51	2,945	2,668	10.4
Chariton	4,987	5,009	-0.4	4,962	2	5	11	7	11	2,345	2,089	12.3
Charles City	8,778	9,268	-5.3	8,737	3	1	14	23	52	3,576	3,437	4.0
Cherokee	7,004	7,272	-3.7	6,960	7	16	14	7	26	2,863	2,587	10.7
Clarinda	5,458	5,420	0.7	5,351	37	6	42	22	34	2,285	1,962	16.5
Clarion	3,060	2,972	3.0	3,030	0	10	5	15	33	1,345	1,164	15.5
Clear Lake	7,458	6,430	16.0	7,376	14	7	17	44	70	3,731	2,650	40.8
Clinton	32,828	34,719	-5.4	31,950	530	79	153	116	174	12,895	11,868	8.7
Clive	5,906	3,005	96.5	5,757	41	5	65	38	46	2,292	936	144.9
Corralville	7,687	6,130	25.4	7,330	167	23	107	60	83	3,672	2,199	67.0
Council Bluffs	56,449	60,348	-6.5	55,303	415	140	180	411	987	21,949	19,750	11.1
Cresco	3,860	3,927	-1.7	3,844	2	3	9	2	6	1,648	1,440	14.3
Creston	8,429	8,234	2.4	8,384	16	3	20	6	22	3,642	3,229	12.8
Davenport	103,264	98,469	4.9	94,641	6,296	255	551	1,521	2,959	40,294	33,466	20.4
Decorah	7,991	7,237	10.4	7,742	88	0	34	127	27	2,653	2,059	28.8
Denison	6,675	6,218	7.3	6,541	8	5	43	78	45	2,568	2,167	18.5
Des Moines	191,003	201,404	-5.2	172,618	13,054	556	1,596	3,179	3,523	79,913	72,639	10.0
DeWitt	4,512	3,647	23.7	4,495	1	3	6	7	22	1,789	1,290	38.7
Dubuque	62,321	62,309	*	61,689	219	52	194	167	359	22,160	18,030	22.9
Dyersville	3,825	3,437	11.3	3,814	0	0	3	8	13	1,314	1,009	32.2
Eagle Grove	4,324	4,489	-3.7	4,263	0	5	45	11	10	1,736	1,599	8.6
Eldora	5,063	3,223	5.0	3,042	0	3	10	8	20	1,340	1,151	16.4
Eldridge	3,279	1,535	113.6	3,261	8	1	3	6	13	1,014	435	133.1
Emmetsburg	4,621	4,150	11.3	4,591	6	2	7	15	31	1,805	1,445	24.9
Estherville	7,518	8,108	-7.3	7,441	9	8	26	34	37	3,077	2,644	16.3
Evansdale	4,798	5,038	-4.8	4,730	11	27	12	18	45	1,669	1,462	14.2
Fairfield	9,428	8,715	8.2	9,248	64	14	30	72	81	3,445	3,237	6.7
Forest City	4,270	3,841	11.2	4,217	27	3	5	18	36	1,694	1,289	31.4
Fort Dodge	29,423	31,263	-5.9	28,337	769	25	108	184	368	11,636	10,693	8.8
Fort Madison	13,520	13,996	-3.4	12,532	574	35	66	313	612	5,328	4,998	6.6
Garner	2,908	2,257	28.8	2,890	4	0	2	12	21	1,063	837	27.0
Glenwood	5,280	4,421	19.4	5,246	10	2	15	7	34	1,759	1,291	36.3
Grinnell	8,868	8,402	5.5	8,670	58	16	66	58	48	3,279	2,792	17.4
Harlan	5,352	5,049	6.1	5,322	2	1	16	16	29	2,212	1,778	24.4
Hampton	4,630	4,376	5.8	4,552	6	1	4	67	99	2,016	1,764	14.3
Hawarden	2,722	2,789	-2.4	2,676	11	31	1	3	10	1,120	997	12.3
Hiawatha	4,875	2,416	99.7	4,772	24	10	13	6	39	1,989	709	180.5
Humboldt	4,794	4,665	2.8	4,780	1	4	6	3	11	2,024	1,611	25.6
Independence	6,392	5,910	8.2	6,340	2	8	27	15	30	2,463	2,074	18.8
Indianola	16,843	8,852	22.5	10,694	69	10	52	18	30	4,104	2,833	44.9
Iowa City	50,508	46,850	7.8	47,678	990	81	1,162	597	593	19,235	15,481	24.2
Iowa Falls	6,174	6,454	-4.3	6,078	43	11	22	18	18	2,444	2,259	8.2
Jefferson	4,854	4,735	2.5	4,819	2	9	20	4	6	2,024	1,824	11.0
Johnston	2,617	222	1079.0	2,599	4	0	7	7	15	1,013	54	1776.0
Keokuk	13,536	14,631	-7.5	12,930	468	15	84	39	88	5,667	5,309	6.7
Knoxville	8,143	7,755	5.0	8,030	19	10	49	35	75	3,141	2,506	25.3
Lamoni	2,705	2,540	6.5	2,622	26	7	28	22	39	850	708	20.1
LeClaire	2,899	2,520	15.0	2,871	1	3	9	15	28	1,055	765	38.3
LeMars	8,276	8,159	1.4	8,193	41	2	22	18	37	3,095	2,603	18.9
Manchester	4,942	4,641	6.5	4,920	1	1	7	13	24	2,045	1,704	20.0
Maquoketa	6,313	5,677	11.2	6,288	1	3	17	4	24	2,655	2,090	27.0
Marion	19,474	18,028	8.0	19,214	57	39	95	49	86	7,194	5,522	30.3
Marshalltown	26,938	26,219	2.7	26,260	259	55	135	229	216	10,771	9,137	18.0
Mason City	30,144	30,379	-0.8	29,439	201	31	105	368	804	12,617	10,672	18.2
Missouri Valley	3,107	3,519	11.7	3,098	0	6	2	1	2	1,321	1,233	7.1
Monticello	3,641	3,509	3.8	3,635	0	1	3	2	8	1,492	1,169	27.6
Mount Pleasant	7,122	7,007	1.6	7,087	121	15	47	52	42	2,823	2,396	17.8
Mount Vernon	3,525	3,018	10.2	3,226	41	2	36	20	21	1,006	716	40.5
Muscatine	23,467	22,405	4.7	22,271	167	14	95	900	1,297	8,975	7,742	15.9
Nevada	5,912	4,952	19.4	5,875	6	2	13	16	26	2,402	1,792	34.0
New Hampton	3,940	3,621	8.8	3,922	0	4	4	10	6	1,588	1,216	30.6
Newton	15,292	15,619	-2.1	15,154	17	19	45	57	100	6,471	5,625	15.0
Norwalk	2,676	1,745	53.4	2,647	9	1	15	4	14	861	499	72.5
Oelwein	7,564	7,735	-2.2	7,479	8	5	14	58	144	3,069	2,817	8.9
Onawa	3,281	3,154	4.0	3,267	0	8	4	4	14	1,396	1,211	15.3
Orange City	4,588	3,572	28.4	4,527	14	6	9	32	9	1,529	1,154	32.5
Osage	3,718	3,815	-2.5	3,710	0	0	8	0	10	1,610	1,186	18.2
Osceola	3,750	3,124	20.0	3,727	4	2	12	5	13	1,806	1,376	31.3
Oskaloosa	10,629	11,224	-5.3	10,363	109	19	33	105	54	4,605	4,292	7.3
Ottumwa	27,381	29,610	-7.5	26,937	255	30	63	96	125	11,459	11,158	2.7
Pella	8,349	6,668	25.2	8,086	53	5	88	117	49	3,070	2,132	44.0
Perry	7,053	6,906	2.1	6,980	32	1	29	11	77	2,980	2,650	12.5
Pleasant Hill	3,493	1,535	127.6	3,388	31	9	43	22	49	1,182	401	194.8
Red Oak	6,810	6,210	9.7	6,760	8	4	11	25	15	3,021	2,537	19.1
Rock Rapids	2,693	2,632	2.3	2,667	1	0	3	22	7	1,182	1,018	16.1
Rock Valley	2,706	2,205	22.7	2,660	4	1	15	26	17	994	725	37.1
Sac City	3,000	3,268	-8.2	2,997	1	0	0	2	11	1,284	1,205	6.6
Sheldon	5,003	4,535	10.3	4,968	2	2	5	8	16	1,955	1,587	23.4
Shenandoah	6,274	5,968	5.1	6,225	0	8	12	29	47	2,834	2,444	16.0
Sibley	3,051	2,749	11.0	3,040	2	0	2	1	2	1,234	1,031	19.7
Sioux Center	4,588	3,450	33.0	4,528	4	13	22	21	12	1,470	955	53.6
Sioux City	82,003	85,925	-4.6	78,861	1,118	1,135	291	598	1,091	32,007	29,197	9.6
Spencer	11,726	10,078	16.4	11,616	1	25	27	57	37	4,803	3,689	30.2
Spirit Lake	3,976	3,014	31.9	3,941	0	11	3	21	15	1,717	1,196	43.6
Storm Lake	8,814	8,591	2.6	8,779	6	3	12	64	39	3,363	2,933	14.7
Story City	2,762	2,104	31.3	2,732	1	1	4	24	4	1,137	804	41.4
Tama	2,968	3,000	-1.1	2,866	1	82	5	12	14	1,194	1,081	10.5
Tipton	3,055	2,877	6.2	3,033	0	1	10	9	6	1,317	1,067	23.4
Urbandale	17,869	14,434	23.8	17,479	140	17	172	61	97	6,906	4,276	61.5
Vinton	5,040	4,845	4.0	5,017	1	11	5	6	21	2,157	1,770	21.9
Washington	6,584	6,317	4.2	6,540	5	5	29	6	15	2,572	2,441	13.6
Waterloo	75,985	75,533	0.6	66,955	8,339	150	512	519	986	29,545	23,301	16.8
Waukon	3,981	1,887	2.6	3,961	0	1	3	10	12	1,674	1,360	20.9
Waverly	8,444	7,205	17.2	8,335	32	4	47	26	25	2,983	2,267	31.5
Webster City	8,572	8,488	1.0	8,503	2	8	33	26	47	3,931	3,073	11.7
West Burlington	3,371	3,139	7.4	3,333	26	1	8	3	12	1,486	1,049	40.9
West Des Moines	21,894	16,661	31.2	21,272	243	15	136	230	663	8,927	5,062	76.4
West Liberty	2,723	2,296	18.6	2,457	2	0	11	253	503	1,042	812	28.3
West Union	2,783	2,628	5.9	2,755	1	0	5	0	10	1,119	933	19.9
Wilton	2,902	1,873	54.9	2,886	0	2	2	12	18	963	670	43.7
Windsor Heights	5,812	6,303	-7.8	5,544	26	3	37	19	35	2,267	2,060	10.1
Winterset	4,021	3,654	10.0	3,989	3	4	0	15	9	1,732	1,479	17.1

*Indicates no change in population from 1970-80.

Source: 1980 U.S. Census. Compiled by Iowa Development Commission.

Population projections for Iowa counties, 1980-2000

County	1980	1985[r]	1990[r]	1995[r]	2000[r]
STATE	2,913,808	2,905,400	2,913,500	2,931,800	2,965,000
ADAIR	9,509	9,100	8,700	8,500	8,300
ADAMS	5,731	5,500	5,300	5,200	5,200
ALLAMAKEE	15,108	14,900	14,800	14,900	15,000
APPANOOSE	15,511	14,900	14,500	14,300	14,400
AUDUBON	8,559	8,300	8,200	8,100	8,100
BENTON	23,649	23,000	22,700	22,500	22,400
BLACK HAWK	137,961	137,400	137,200	137,700	139,400
BOONE	26,184	25,900	25,800	25,600	25,500
BREMER	24,820	24,900	25,000	25,300	25,600
BUCHANAN	22,900	23,200	23,700	24,300	25,000
BUENA VISTA	20,774	21,000	21,300	21,500	21,600
BUTLER	17,668	17,400	17,200	17,000	17,000
CALHOUN	13,542	13,200	12,900	12,600	12,400
CARROLL	22,951	22,900	23,100	23,500	23,900
CASS	16,932	17,100	17,200	17,400	17,500
CEDAR	18,635	18,300	18,100	18,000	18,000
CERRO GORDO	48,458	48,100	47,900	47,700	47,400
CHEROKEE	16,238	15,800	15,600	15,400	15,300
CHACKASAW	15,437	15,000	14,900	14,900	15,000
CLARKE	8,612	9,100	9,400	9,800	10,000
CLAY	19,576	18,800	18,300	18,000	18,000
CLAYTON	21,098	20,900	20,900	21,000	21,200
CLINTON	57,122	56,800	56,800	57,000	57,400
CRAWFORD	18,935	19,500	20,100	20,700	21,200
DALLAS	29,513	29,200	28,900	28,800	28,900
DAVIS	9,104	9,400	9,800	10,100	10,400
DECATUR	9,794	9,200	8,800	8,600	8,600
DELAWARE	18,933	18,900	19,300	19,800	20,400
DES MOINES	46,203	44,900	44,000	43,500	43,300
DICKINSON	15,629	15,700	15,700	15,700	15,800
DUBUQUE	93,745	91,400	90,700	91,100	92,300
EMMET	13,336	13,300	13,300	13,300	13,400
FAYETTE	25,488	24,700	24,200	24,000	23,900
FLOYD	19,597	19,000	18,600	18,400	18,300
FRANKLIN	13,036	12,500	12,100	11,700	11,500
FREMONT	9,401	9,300	9,100	9,900	9,000
GREENE	12,119	11,800	11,600	11,400	11,400
GRUNDY	14,366	13,800	13,500	13,200	13,000
GUTHRIE	11,983	11,500	11,100	10,800	10,600
HAMILTON	17,862	17,600	17,400	17,300	17,200
HANCOCK	13,833	13,600	13,600	13,600	13,700
HARDIN	21,776	21,400	21,200	21,100	21,000
HARRISON	16,348	16,100	16,000	15,900	16,000
HENRY	18,890	18,300	18,000	17,800	17,700
HOWARD	11,114	10,900	10,800	10,900	10,900
HUMBOLDT	12,246	12,000	11,800	11,700	11,600
IDA	8,908	8,600	8,500	8,300	8,200
IOWA	15,429	15,200	15,100	15,000	15,000
JACKSON	22,503	22,300	22,300	22,500	22,900
JASPER	36,425	35,900	35,600	35,300	35,100
JEFFERSON	16,316	16,300	16,400	16,300	16,200
JOHNSON	81,717	85,300	87,900	90,500	93,700
JONES	20,401	20,200	20,200	20,200	20,400

Population projections (continued)

County	1980	1985[r]	1990[r]	1995[r]	2000[r]
KEOKUK	12,921	12,500	12,200	12,000	11,900
KOSSUTH	21,891	21,500	21,400	21,400	21,600
LEE	43,106	42,700	42,600	42,600	42,800
LINN	169,775	167,100	166,100	166,300	167,400
LOUISA	12,055	12,400	12,600	13,000	13,300
LUCAS	10,313	10,400	10,600	10,700	10,800
LYON	12,896	12,700	12,600	12,600	12,700
MADISON	12,597	12,500	12,600	12,700	12,800
MAHASKA	22,867	22,500	22,200	22,100	22,200
MARION	29,669	30,500	31,300	32,000	32,500
MARSHALL	41,652	42,500	43,300	44,000	44,600
MILLS	13,406	14,000	14,600	15,100	15,600
MITCHELL	12,329	11,800	11,600	11,400	11,300
MONONA	11,692	11,300	11,100	10,900	10,700
MONROE	9,209	9,100	9,000	8,900	8,900
MONTGOMERY	13,413	12,900	12,500	12,300	12,200
MUSCATINE	40,436	43,500	46,400	48,900	51,000
O'BRIEN	16,972	17,000	17,000	17,000	17,100
OSCEOLA	8,371	8,100	7,900	7,800	7,800
PAGE	19,063	18,900	18,700	18,500	18,500
PALO ALTO	12,721	12,300	12,200	12,100	12,100
PLYMOUTH	24,743	24,100	23,900	23,800	24,000
POCAHONTAS	11,369	11,000	10,700	10,600	10,500
POLK	303,170	309,900	316,100	321,600	326,900
POTTAWATTAMIE	86,561	88,300	90,100	91,900	93,700
POWESHIEK	19,306	18,600	18,200	17,900	17,800
RINGGOLD	6,112	6,000	5,800	5,700	5,600
SAC	14,118	13,600	13,300	13,000	12,900
SCOTT	160,022	162,900	166,600	171,000	176,000
SHELBY	15,043	14,600	14,400	14,400	14,300
SIOUX	30,813	30,700	31,000	31,600	32,500
STORY	72,326	72,900	73,300	75,200	78,500
TAMA	19,533	19,200	19,000	18,800	18,800
TAYLOR	8,353	8,300	8,200	8,200	8,300
UNION	13,858	14,000	14,100	14,200	14,400
VAN BUREN	8,626	8,500	8,400	8,400	8,500
WAPELLO	40,241	39,100	38,100	37,300	36,800
WARREN	34,878	35,400	36,100	36,900	37,800
WASHINGTON	20,141	20,100	20,200	20,400	20,600
WAYNE	8,199	8,100	7,900	7,800	7,800
WEBSTER	45,953	44,600	43,700	43,100	42,900
WINNEBAGO	13,010	12,300	11,800	11,500	11,300
WINNESHIEK	21,876	21,900	22,000	22,400	22,900
WOODBURY	100,884	101,500	102,400	103,600	105,500
WORTH	9,075	8,800	8,500	8,300	8,100
WRIGHT	16,319	15,900	15,800	15,600	15,700

r = Revised

Source: Iowa Office for Planning and Programming

Population projections by age and sex

YEAR		AGE GROUP									
TOTAL	TOTAL	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1980	2,913,808	221,628	211,041	231,700	277,633	272,024	243,200	205,954	161,246	141,451	135,520
1985	2,905,400	236,100	220,200	207,900	214,900	239,100	242,500	233,200	199,400	158,600	138,500
1990	2,913,500	229,300	234,900	217,200	196,900	193,100	219,600	234,500	225,700	194,500	154,800
1995	2,931,800	214,900	229,100	232,300	208,500	181,700	181,800	215,000	228,500	221,100	190,400
2000	2,965,000	205,300	215,600	227,300	225,800	197,500	175,300	180,100	211,000	224,800	217,100
MALE											
1980	1,416,390	113,305	107,877	118,841	140,188	135,749	123,366	103,613	79,979	69,655	65,675
1985	1,416,400	120,900	112,400	105,100	107,200	119,100	123,400	120,500	101,200	79,300	68,600
1990	1,424,000	117,300	120,100	110,000	97,400	95,100	111,100	121,400	117,200	99,100	77,600
1995	1,435,600	109,900	117,000	118,000	103,700	88,900	90,800	110,600	118,700	115,100	97,100
2000	1,455,600	104,900	110,100	115,600	113,300	97,300	86,700	91,300	108,600	116,800	112,900
FEMALE											
1980	1,497,418	108,323	103,164	112,859	137,445	136,275	119,834	102,341	81,267	71,796	69,845
1985	1,489,000	115,200	107,800	102,700	107,700	120,000	119,100	112,700	98,200	79,300	69,900
1990	1,489,500	112,000	114,800	107,300	99,500	98,000	108,500	113,100	108,400	95,300	77,200
1995	1,496,300	105,000	112,000	114,300	104,700	92,800	91,100	104,400	109,900	106,000	93,200
2000	1,509,400	100,400	105,500	111,700	112,500	100,200	88,600	88,800	102,400	108,000	104,200

TOTAL	50-54	55-59	60-64	65-69	70-74	75+	0-14	0-64	15-49	15-64	65+
1980	145,902	145,854	133,071	117,905	96,949	172,730	664,369	2,526,224	1,437,028	1,861,855	387,584
1985	131,200	136,900	133,900	121,300	102,900	188,600	664,200	2,492,400	1,426,200	1,828,200	412,800
1990	134,300	124,500	126,600	121,700	105,700	200,200	681,400	2,485,900	1,419,100	1,804,500	427,600
1995	150,600	128,300	116,000	115,400	106,700	211,500	676,300	2,498,200	1,427,000	1,821,900	433,600
2000	185,900	144,800	120,400	106,200	101,800	226,100	648,200	2,530,900	1,431,600	1,882,700	434,100
MALE											
1980	71,343	69,954	62,177	53,196	41,052	60,420	340,023	1,261,722	718,225	921,699	154,668
1985	63,600	67,100	63,500	54,700	43,900	65,900	338,400	1,251,900	719,300	913,500	164,500
1990	66,400	60,400	61,200	55,600	44,800	69,300	347,400	1,254,300	718,900	906,900	169,700
1995	75,300	63,300	55,400	53,800	45,700	72,200	344,900	1,263,800	724,900	918,900	171,700
2000	94,500	72,200	58,500	49,000	44,500	79,400	330,600	1,282,700	726,900	952,100	172,900
FEMALE											
1980	74,559	75,900	70,894	64,709	55,897	112,310	324,346	1,264,502	718,803	940,156	232,916
1985	67,600	69,900	70,400	66,700	59,000	122,800	325,700	1,240,500	706,900	914,800	248,500
1990	67,900	64,200	65,500	66,100	60,900	130,900	334,100	1,231,700	700,000	897,600	257,900
1995	75,300	65,000	60,700	61,600	60,900	139,300	331,300	1,234,400	702,100	903,100	261,800
2000	91,300	72,600	62,000	57,300	57,300	146,700	317,600	1,248,200	704,700	930,600	261,300

Source: Iowa Office for Planning and Programming.

Retail-Wholesale Trade

Retail trade employment and payroll, 1982

SIC Code	Kind of Business[1]	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	Retail trade	19,762	194,529	1,522,890
52	Building materials and garden supplies	1,524	9,265	108,772
521	Lumber and other building materials	662	4,989	71,063
525	Hardware stores	532	2,756	21,317
532	General merchandise stores	685	23,615	178,908
531	Department stores	150	17,779	136,259
533	Variety stores	229	2,377	14,350
539	Misc. general merchandise stores	304	3,495	28,299
54	Food stores	2,143	30,705	287,381
541	Grocery stores	1,619	27,425	268,270
542	Meat markets and freezer provisioners	121	667	5,212
543	Fruit stores and vegetable markets	14	60	655
544	Candy, nut and confectionary stores	59	386	1,632
545	Dairy products stores	77	454	2,755
546	Retail bakeries	182	1,462	7,440
549	Miscellaneous food stores	71	251	1,417
55	Automotive dealers & service stations	3,434	23,830	277,631
551	New and used car dealers	635	9,903	149,241
552	Used car dealers only	118	351	3,526
553	Auto and home supply stores	485	2,858	37,112
554	Gasoline service stations	2,005	9,752	76,160
56	Apparel and accessory stores	1,990	12,117	76,556
561	Men's and boys clothing and furnishings stores	325	2,130	16,099
562	Women's ready to wear stores	722	4,837	26,090
565	Family clothing stores	194	1,696	10,808
566	Shoe stores	496	2,272	16,758
571	Furniture and home furnishings stores	672	3,634	36,512
572	Household appliance stores	211	1,022	10,992
573	Radio, television and music stores	422	1,982	18,842
58	Eating and drinking places	4,932	62,283	271,167
5812	Eating places	3,430	54,807	240,949
5813	Drinking places (alcoholic beverages)	1,502	7,476	30,218
591	Drug and proprietary stores	714	6,456	53,642
594	Miscellaneous shopping goods stores	1,367	7,043	48,557
5941	Sporting goods and bicycle shops	270	1,186	9,897
5942	Book stores	122	712	4,660
5943	Stationery stores	43	304	2,795
5944	Jewelry stores	299	1,696	15,310
5947	Gift, novelty, and souvenir shops	276	1,354	6,554
596	Nonstore retailers	297	2,411	19,973
5983	Fuel oil dealers	49	206	2,601
5984	Liquefied petroleum gas dealers	186	916	13,314
5992	Florists	323	1,668	9,797

[1]Only selected business classifications are shown.
Source: County Business Patterns, 1982, U.S. Department of Commerce, Bureau of the Census.

Retail sales by store group, 1983

County	Total Retail Sales ($000)	Food ($000)	Eating & Drinking Places ($000)	General Mdse. ($000)	Furniture/ Furnish./ Appliance ($000)	Automotive ($000)	Drug ($000)
Adair	42,290	9,167	2,714	617	500	6,112	1,039
Adams	15,553	5,725	842	393	207	2,780	830
Allamakee	56,996	17,497	6,538	1,302	1,318	9,921	800
Appanoose	69,776	17,837	4,907	10,013	2,961	11,234	653
Audubon	34,745	10,215	2,520	512	1,544	8,312	1,028
Benton	69,732	14,572	7,470	840	3,532	17,163	2,054
Black Hawk	788,057	163,852	78,381	105,852	31,528	145,505	23,412
Boone	97,447	28,382	6,542	5,935	7,674	22,574	4,379
Bremer	89,156	29,081	6,012	3,452	2,845	12,898	2,017
Buchanan	71,788	22,395	7,658	4,322	1,775	14,048	2,024
Buena Vista	126,103	26,580	12,302	8,643	5,613	24,538	2,892
Butler	40,215	7,201	3,071	2,198	1,891	6,871	569
Calhoun	50,307	11,811	2,749	1,543	912	15,376	926
Carroll	129,977	25,219	11,886	16,132	4,342	26,887	1,990
Cass	100,610	23,262	8,529	10,757	2,793	16,594	2,725
Cedar	65,597	22,323	3,816	1,673	839	14,191	1,040
Cerro Gordo	319,604	64,920	36,074	51,142	8,671	53,175	7,989
Cherokee	89,303	32,794	5,164	6,491	3,013	12,626	3,497
Chickasaw	55,907	16,840	4,555	1,362	1,278	9,815	1,118
Clarke	45,061	10,222	3,433	2,343	538	9,120	881
Clay	129,279	23,005	14,665	14,818	4,610	29,334	3,848
Clayton	64,254	13,672	5,999	1,226	4,077	19,525	1,054
Clinton	294,161	64,727	29,241	45,603	13,757	61,920	8,895
Crawford	82,707	25,782	11,679	4,547	2,448	14,262	1,562
Dallas	113,022	37,903	7,542	9,891	2,549	25,122	1,718
Davis	34,105	9,558	2,145	643	480	7,501	881
Decatur	27,470	8,659	1,563	817	748	2,244	1,638
Delaware	72,143	17,761	5,460	5,173	1,042	15,864	2,301
Des Moines	252,773	60,849	24,324	41,180	15,665	31,600	11,497
Dickinson	88,078	18,378	10,209	4,487	2,789	9,710	3,450
Dubuque	508,960	111,630	57,013	92,572	27,786	88,382	15,021
Emmet	55,202	10,910	4,990	6,793	1,272	12,075	1,142
Fayette	102,233	23,585	9,663	10,100	3,389	23,143	3,511
Floyd	83,280	20,931	6,019	8,774	2,286	16,076	1,639
Franklin	51,350	10,291	3,782	1,908	1,315	11,608	1,467
Fremont	20,839	4,393	2,205	351	650	4,294	1,415
Greene	36,953	9,741	3,213	3,442	521	6,149	1,229
Grundy	42,732	10,383	3,673	455	4,007	8,877	1,803
Guthrie	26,831	4,904	3,034	1,818	1,617	4,362	901
Hamilton	79,777	18,639	10,980	4,426	3,237	13,953	2,188
Hancock	37,998	7,586	2,801	555	2,468	8,627	1,798
Hardin	108,939	27,284	8,206	4,871	4,801	27,027	2,834
Harrison	78,524	15,306	5,595	1,327	1,282	28,397	2,633
Henry	83,563	19,096	6,939	7,960	2,477	21,068	2,608
Howard	40,767	8,914	3,538	1,711	1,366	6,733	1,629
Humboldt	47,117	12,797	3,370	2,066	1,842	10,725	1,055
Ida	28,896	5,820	2,435	1,109	542	7,608	1,057
Iowa	74,969	13,646	21,564	2,672	1,835	7,070	1,814
Jackson	73,813	20,340	8,828	3,523	4,173	13,212	2,967
Jasper	168,442	39,763	14,832	10,705	4,996	33,287	7,154

Retail sales (continued)

County	Total Retail Sales ($000)	Food ($000)	Eating & Drinking Places ($000)	General Mdse. ($000)	Furniture/ Furnish./ Appliance ($000)	Automotive ($000)	Drug ($000)
Jefferson	70,555	19,889	3,562	7,056	2,473	14,536	1,722
Johnson	496,347	110,336	61,901	54,643	23,752	74,487	19,172
Jones	64,793	9,912	4,855	2,740	2,145	18,594	2,203
Keokuk	39,672	4,897	3,859	1,062	1,733	13,453	863
Kossuth	115,403	18,990	10,498	7,434	4,147	44,879	2,087
Lee	247,395	67,736	14,928	33,072	9,080	45,374	7,871
Linn	920,644	202,709	104,132	168,544	39,954	147,424	32,922
Louisa	43,559	11,150	4,945	918	1,560	12,420	1,057
Lucas	45,032	13,570	2,663	3,371	1,334	7,294	1,847
Lyon	37,931	9,888	4,413	489	1,943	8,973	843
Madison	50,422	13,087	6,290	1,391	1,090	13,250	2,654
Mahaska	98,727	27,672	7,022	9,102	3,226	12,983	1,675
Marion	108,991	29,541	12,233	7,575	2,862	21,326	3,054
Marshall	232,151	59,288	27,915	27,282	7,195	35,849	11,373
Mills	62,818	15,045	4,311	4,488	3,981	18,780	1,671
Mitchell	39,933	7,701	2,424	1,024	1,210	7,381	1,840
Monona	42,007	12,703	3,684	681	1,499	9,026	2,769
Monroe	28,729	9,539	1,512	1,109	318	9,018	1,232
Montgomery	57,023	16,443	4,576	6,965	1,569	10,523	2,468
Muscatine	298,429	62,993	27,033	14,006	8,915	72,553	10,544
O'Brien	77,778	16,575	6,209	5,297	2,186	19,091	2,820
Osceola	21,751	3,789	2,358	247	580	4,044	689
Page	101,949	22,260	6,367	10,408	5,551	20,285	3,770
Palo Alto	47,570	11,625	4,729	652	880	8,588	1,648
Plymouth	124,883	36,779	9,329	6,355	2,242	25,680	1,959
Pocahontas	45,332	15,249	2,814	1,197	1,966	10,302	1,178
Polk	2,107,623	476,850	232,205	304,983	80,968	343,433	44,159
Pottawattamie	425,706	106,419	55,339	55,360	9,181	85,915	17,725
Poweshiek	90,107	20,878	8,055	4,117	3,828	16,131	3,153
Ringgold	19,763	4,270	1,339	452	177	5,769	829
Sac	41,041	8,825	4,071	829	937	10,545	917
Scott	932,647	179,269	114,785	164,186	41,610	148,343	41,294
Shelby	52,410	11,625	4,634	6,672	687	10,334	2,223
Sioux	132,019	24,714	10,568	2,247	6,787	36,863	2,305
Story	385,008	84,174	55,783	55,002	16,672	64,674	6,293
Tama	53,560	11,272	5,691	2,442	1,999	13,343	1,264
Taylor	13,813	4,173	1,555	583	213	1,664	610
Union	66,997	22,238	5,782	6,824	1,594	11,140	1,638
Van Buren	16,823	4,182	1,665	332	323	1,171	785
Wapello	202,936	57,443	18,117	25,753	10,129	25,111	7,046
Warren	110,479	38,463	6,457	6,583	1,150	30,993	1,941
Washington	92,993	22,274	10,891	8,536	3,749	18,190	1,737
Wayne	20,347	5,811	1,177	660	90	1,532	752
Webster	284,879	54,676	22,813	48,716	16,307	59,283	4,495
Winnebago	51,012	10,894	5,242	3,864	2,476	11,661	2,088
Winneshiek	92,235	24,846	8,016	4,235	6,524	20,358	2,487
Woodbury	537,931	136,451	54,908	89,645	26,239	78,583	17,505
Worth	22,004	5,565	1,543	635	1,509	4,117	751
Wright	60,124	20,097	4,880	1,182	2,361	13,400	2,227
TOTAL STATE	14,598,693	3,440,469	1,490,738	1,701,991	572,702	2,708,252	440,727

Source: 1984 Survey of Buying Power, Sales & Marketing Management, Copyright July 23, 1984.

Wholesale trade, 1982

SIC Code	Kind of Business[1]	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	Wholesale trade	7,388	71,128	1,190,894
501	Motor vehicles, automotive parts and supplies	617	5,222	82,781
502	Furniture and home furnishings	66	616	11,977
503	Lumber and other construction materials	180	1,788	36,925
504	Sporting goods, toys, and hobby goods	66	613	9,521
505	Metals and minerals, except petroleum	68	692	14,090
506	Electrical goods	292	2,893	52,945
507	Hardware, plumbing, heating (equipment and supplies)	239	2,025	35,052
508	Machinery, equipment and supplies	1,708	16,861	291,794
511	Paper and paper products	120	1,527	26,184
512	Drugs and drug proprietaries and drug sundries	24	257	4,055
513	Apparel, piece goods and notions	27	310	3,404
514	Groceries and related products	380	8,311	151,957
515	Farm products raw materials	1,177	10,540	156,265
516	Chemicals and allied products	85	765	14,461
517	Petroleum and petroleum products	569	3,507	51,143
518	Beer, wines and distilled alcoholic beverages	102	1,235	24,928

[1]Only selected business classifications are shown.
Source: County Business Patterns, 1982, U.S. Department of Commerce, Bureau of the Census.

Service Industries

SIC Code	Kind of Business[1]	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	Selected service industries	18,479	201,949	2,143,526
701	Hotels, motels and tourist courts	501	10,362	59,056
703	Camps and trailering parks	31	146	1,206
7032	Sporting and recreational camps	20	129	1,022
704	Membership-basis organization hotels	100	763	3,522
72	Personal services	2,460	11,967	89,530
721	Laundry, cleaning and garment services	420	3,178	26,640
722	Photographic studios, portrait	143	595	5,390
723	Beauty shops	1,169	4,386	29,984
724	Barber shops	92	273	2,587
726	Funeral service and crematories	379	1,467	16,691
73	Business services	1,544	22,021	244,800
731	Advertising	109	917	15,155
732	Credit reporting and collection	80	566	5,773
7331	Direct mail advertising	20	1,204	11,695
7332	Blueprinting and photocopying	16	86	875
7333	Commercial photography and art	45	195	2,578
7339	Stenographic and reproduction, nec	31	201	2,321
734	Services to buildings	284	3,818	26,960
736	Personnel supply services	106	2,486	16,813
737	Computer and data processing services	117	3,293	56,437
7392	Management and public relations	201	3,118	46,686
7394	Equipment rental and leasing	134	775	12,256
75	Auto repair, services and garages	1,414	5,883	74,554
751	Automotive rental and leasing, without drivers	104	941	14,155
752	Automobile parking	35	146	1,082
753	Automobile repair shops	1,156	4,150	54,984
754	Automotive services, except repair	119	646	4,332
76	Miscellaneous repair services	671	2,667	33,739
762	Electrical repair shops	190	704	9,236
78	Motion pictures	187	1,738	8,383
781	Motion picture production and services	14	79	1,110
782	Motion picture distribution and services	9	64	1,119
783	Motion picture theaters	164	1,595	6,154
79	Amusement and recreation services	892	7,468	44,813
791	Dance halls, studios and schools	50	362	1,049
792	Producers, orchestras, & entertainers	50	362	1,514
7933	Bowling alleys	206	2,300	10,444
80	Health services	4,166	77,886	1,001,247
801	Offices of physicians	1,388	8,701	258,765
802	Offices of dentists	1,159	4,687	63,551
803	Office of osteopathic physicians	189	665	13,071
804	Offices of other health practitioners	666	1,864	21,214
805	Nursing and personal care facilities	405	25,319	170,493
806	Hospitals	70	33,026	416,934
8071	Medical laboratories	28	483	6,838
8072	Dental laboratories	57	465	7,300
808	Outpatient care facilities	140	1,625	32,570
81	Legal services	1,355	5,456	71,011
82	Educational services	274	14,724	146,615
83	Social services	1,20[illegible]	15,319	104,130
84	Museums, botanical, zoological gardens	19	144	1,464
86	Membership organizations	2,583	16,772	114,770
891	Engineering & architectural services	266	2,964	67,316
893	Accounting, auditing and bookkeeping	548	3,328	49,375

[1]All kind of business classifications are not shown, therefore detail does not add to total.
Source: County Business Patterns, 1982, U.S. Department of Commerce, Bureau of the Census.

Per capita state government debt

The Iowa Treasury is healthy. Our per capita debt is the nation's fourth lowest. This means that Iowa's future is not mortgaged, and more tax revenue is spent to accomplish programs instead of paying interest.

We don't have to spend as much on welfare, police and corrections as other states, and we put a greater emphasis on education and highways.

Iowa exempts from its four percent sales and use tax, food and drugs, thus reducing the "family" impact of this tax; and we're phasing out county personal property taxes.

"Fiscal Stability" is often used to describe Iowa's finances. When we do borrow, we qualify for low interest rates because of our low indebtedness.

*Per capita gross state government debt at the end of the year.
Source: State Government Finances in 1983, U.S. Department of Commerce.

Comparison of expenditures, U.S./Iowa, 1983

	Per Capita		Thousands of Dollars	
	U.S. Average	IOWA	U.S. Total	IOWA
Total General Expenditures	$1,221.48	$1,247.61	$285,042,000	$3,624,310
Education	461.54	542.26	107,703,000	1,575,272
Highways	113.26	170.94	26,431,000	496,572
Public Welfare	246.59	216.72	57,544,000	629,561
Health & Hospital	102.52	103.50	23,926,000	300,656
Police Protection	12.87	9.02	3,022,000	26,203
Corrections	28.90	23.98	6,743,000	69,650
Employment Security Administration	10.56	12.44	2,464,000	36,144
Natural Resources	25.00	26.77	5,834,000	77,762
Financial Administration	18.03	14.85	4,206,000	43,153
General Control	18.30	10.51	4,271,000	30,532
Interest Debt	48.22	11.79	11,252,000	34,233

Source: State Governmental Finances in 1983, U.S. Department of Commerce, Bureau of the Census.

Relation of government finances to personal income, 1983

	General Revenue Per $1,000 Personal Income						General Expenditures Per $1,000 Personal Income				
								Education			
	Total	Revenue from Federal Government	Total[1]	Taxes General Sales or Gross Receipts	Individual Income	Charges and Miscellaneous	Total[1]	Total[1]	Inter-Governmental	State Institutions of Higher Education	Public Welfare	Highways
U.S. Average	113.35	26.91	66.91	20.93	19.43	18.07	111.24	42.03	24.63	14.24	22.46	10.31
Illinois	86.90	21.59	53.57	17.28	15.89	11.19	88.57	30.77	18.75	9.74	23.05	9.06
Indiana	98.87	23.20	58.30	27.78	14.94	17.12	95.06	43.51	20.63	19.03	15.27	9.98
IOWA	106.05	24.77	64.26	18.22	23.10	15.84	115.62	50.25	28.75	18.61	20.08	15.84
Kansas	89.94	21.03	55.27	17.60	18.73	13.26	89.75	39.71	22.24	15.81	17.27	10.51
Minnesota	148.12	30.78	93.53	21.48	42.83	21.92	126.14	44.56	23.45	18.57	25.91	13.00
Missouri	89.45	23.36	52.44	19.56	17.58	13.16	85.93	34.82	21.15	11.89	16.00	9.84
Nebraska	105.03	25.37	58.27	21.05	16.57	19.50	101.65	35.78	16.08	17.52	16.85	16.08
Ohio	98.03	21.56	58.45	17.40	17.12	16.82	103.57	40.19	23.03	15.80	23.42	9.57
South Dakota	122.81	39.10	48.63	26.00	0	33.71	122.74	36.31	15.82	18.11	17.21	19.21
Wisconsin	134.89	32.27	83.69	23.56	33.78	18.37	135.50	48.25	25.84	19.85	29.92	9.31

[1]Includes amounts for categories not shown separately.
Source: State Government Finances in 1983, U.S. Department of Commerce, Bureau of the Census.

Aggregate tax collectible in Fiscal Year 1983-84

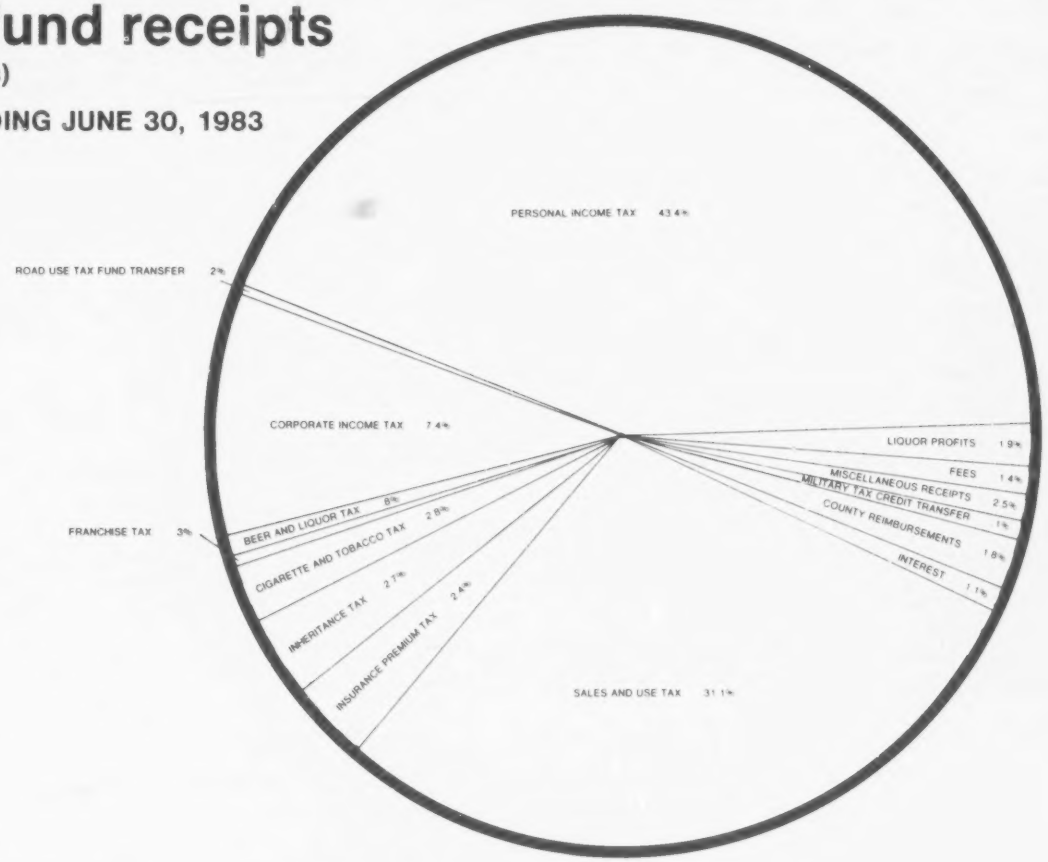
	Cities	Rural Areas	State
District School Tax (General Fund)	$379,179,867	$329,816,232	$ 708,996,099
District School Tax (Schoolhouse Fund)	39,677,366	34,541,956	74,219,322
Area Vocational School Tax	14,274,939	14,609,855	28,884,794
City Tax	356,706,239	0	356,706,239
General County Tax	25,114,176	24,681,858	49,796,034
County F.I.C.A. & I.P.E.R.S.	4,349,509	4,072,318	8,421,827
Emergency Tax	993,539	268,256	1,261,795
Poor Tax	13,593,638	10,532,149	24,125,787
Mental Health & Institutions Tax	50,817,614	42,131,255	92,948,869
Veterans Affairs Tax	2,837,251	2,184,430	5,021,681
Court Expense Tax	29,599,265	19,313,903	48,913,168
County Bond Tax	4,391,867	2,612,022	7,003,889
Fairgrounds, County Fair & 4H Club	1,128,550	1,572,285	2,700,835
County Tort Liability Tax	961,636	980,472	1,942,108
Bang's & T.B. Eradication Taxes	201,566	405,363	606,929
County Conservation Tax	6,216,418	6,058,573	12,274,991
Secondary Roads Tax	4,858,100	95,515,295	100,373,395
Road Clearing & Weed Eradication	0	4,153,437	4,153,437
Sanitary Disposal & Disposal Ground	0	1,292,420	1,292,420
County Library & Library Contract	49,079	2,988,651	3,037,730
Election Expense Tax	1,891,178	1,769,931	3,661,109
Unemploymet Compensation Tax	226,608	225,305	451,913
Agricultural Extension District Tax	2,292,714	3,600,159	5,892,873
Assessors & Special Appraiser Taxes	7,668,652	7,559,532	15,228,184
County Hospital Tax	12,426,991	9,255,853	21,682,844
Township General Tax	70,077	17,823,688	17,893,765
Miscellaneous Other Taxes	10,624,385	3,786,861	14,411,246
TOTAL OF ALL AGGREGATE TAX AMOUNTS	$970,151,224	$641,752,059	$1,611,903,283
AVERAGE TAX RATE (Aggregate Tax divided by Taxable Value x 1,000)	$29.93778 (Cities)	$19.69545 (Rural Areas)	$24.80257 (State)
MONEYS AND CREDITS TAX ($5 per $1,000 Valuation)	$ 407,448	$ 11,938	$ 419,386
GRAIN HANDLED TAX (25¢ per 1,000 Bushels)	$ 413,834	$ 83,960	$ 497,794

Source: Report of 1982 Property Valuations and Taxes Collected in Fiscal Year 1983-1984, reprinted by County Auditors and compiled by Iowa Department of Revenue.

General fund receipts

(dollars in millions)

FISCAL YEAR ENDING JUNE 30, 1983



Twelve Months Actual Through June

(in millions)

	1981	1982	1983	1984
SPECIAL TAXES				
Personal Income Tax	$ 769.8	$ 837.2	$ 853.6	$ 929.3
Sales and Use Tax	474.6	481.6	517.2	666.1
Corporate Income Tax	148.2	170.0	168.7	159.3
Inheritance Tax	55.0	79.8	65.2	57.5
Insurance Premium Tax	45.7	71.4	49.4	52.3
Cigarette and Tobacco Tax	49.8	61.1	60.4	59.1
Beer and Liquor Tax	16.9	16.9	16.7	16.6
Franchise Tax	9.6	8.2	6.6	6.6
Miscellaneous Tax	1.3	1.4	1.2	0
TOTAL SPECIAL TAXES	$1,570.9	$1,727.6	$1,739.0	$1,946.8
County Treasurers	33.4	39.2	37.3	38.5
Liquor Profits	39.6	46.8	41.0	41.5
Interest	39.0	38.6	27.6	23.9
Fees	21.8	25.7	28.3	30.0
Federal Revenue Sharing	14.6	0	0.0	0
Military Tax Credit Transfer	2.0	6.4	4.7	3.0
Miscellaneous Receipts	19.4	16.7	22.0	53.7
GROSS RECEIPTS	$1,740.7	$1,901.0	$1,899.9	$2,141.0
Less Refunds	112.3	146.8	167.9	175.0
Net Receipts	$1,628.4	$1,754.2	$1,732.0	$1,966.0

Source: State of Iowa General Fund Financial Report, Office of the State Comptroller.

Tax revenues by type of tax

Tax Source	(Thousands) 1960	1965	1970	1975	1980	1981	1982	1983[P]
Sales and Gross Receipts	$163,646	$191,677	$379,557	$484,146	$778,242	$785,600	$853,848	$889,277
General sales or gross receipts—sales and use	80,680	92,741	223,464	283,758	502,055	514,727	523,397	571,087
Selective sales and gross receipts	82,966	98,936	156,093	200,388	276,187	270,873	330,451	318,190
Motor Fuels	60,359	65,693	100,831	118,923	167,463	156,864	180,037	188,271
Refunds	-14,370	-13,889	-15,500	-11,618	-10,468	-8,630	-10,280	-10,640
Gross collections	74,730	79,581	116,331	130,541	177,931	165,494	190,317	198,911
Alcoholic beverages	3,235	7,359	9,048	13,300	16,403	17,019	16,399	16,728
Beer	3,235	3,420	5,796	8,516	10,146	10,129	9,990	9,950
Tax (10% prior to 1967, 15% from 1967)	—	3,939	3,252	4,784	6,505	6,890	6,409	6,778
Tobacco products—cigarettes	11,489	15,209	29,824	44,293	46,551	49,853	61,070	60,384
Insurance—gross premiums	7,497	10,275	15,704	23,592	43,740	45,721	71,410	49,432
Other—butterfat	386	400	686	280	252	259	271	269
LICENSE	50,728	62,070	90,040	124,243	176,985	183,494	193,276	195,156
Motor vehicles	43,631	54,297	75,106	99,767	132,742	144,095	144,928	146,728
General	43,423	54,119	74,851	99,589	132,558	143,887	144,722	146,512
Truckers	146	178	255	178	184	208	206	216
Motor vehicle operation	2,679	2,879	5,622		6,653	5,917	6,441	6,091
Corporations in general—filing and qualifications	286	319	602	1,002	1,553	1,770	19,789	17,454
Public utilities	28	27	34	34	119	46	115	95
Alcoholic beverages	65	36	2,373	4,700	4,720	4,817	4,850	5,097
Occupations and businesses, not elsewhere classified	2,191	2,398	3,305	6,350	8,865	9,662	10,574	12,763
Animal health and veterinarian fees	317	686	758	2,110	1,571	1,778	1,563	1,373
Bank examinations	465	559	1,070	1,605	2,183	2,420	2,708	2,948
Insurance Commission	352	322	526	813	1,517	1,888	2,242	2,846
Other	1,057	831	951	1,822	1,287	N/A	1,493	2,649
Hunting and fishing	1,517	1,970	2,593	4,676	5,571	5,593	5,469	5,002
Other	331	144	405	1,373	1,073	1,298	1,110	1,926
Boat and aircraft registration	—	135	389	1,359	1,853	1,917	1,091	1,907
Tax permits	13	9	16	14	18	20	19	19
Individual income	36,671	57,554	112,746	358,899	602,385	673,470	720,883	724,127
Corporation net income	3,807	5,887	24,273	63,612	138,564	135,868	147,115	138,483
Death and Gift inheritance and estate	7,294	10,020	16,767	29,460	47,668	54,970	79,842	65,148
Documentary and Stock Transfer	—	—	881	1,485	2,984	2,405	2,007	2,098

Source: State Government Tax Collection in 1983, (P = Preliminary) U.S. Department of Commerce, Bureau of the Census.

Selected tax rates, 1984

State	Sales Tax Rate[1]	Gasoline Tax Per Gallon[1]	Gasohol Tax Exemption[2]	Cigarette Tax Per Package[1]
Illinois	5.0%	12.0¢	4.0%/dollar	12.0¢
Indiana	5.0	11.1	2.5%/dollar	10.5
IOWA	4.0	13.0	2.0¢/gallon	18.0
Kansas	3.0	11.0	5.0¢/gallon	16.0
Minnesota	6.0	17.0	2.0¢/gallon	18.0
Missouri	4.125	7.0	0	13.0
Nebraska	3.5	14.9	5.0¢/gallon	18.0
Ohio	5.0	12.0	3.5¢/gallon	14.0
South Dakota	4.0	13.0	4.0¢/gallon	15.0
Wisconsin	5.0	16.0	0	25.0

Source: [1]State Tax Review, July 10, 1984, Commerce Clearinghouse, Inc.
[2]Iowa Department of Transportation, Planning and Research Division.

Property valuation and tax levies, 1984

ADAIR County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	59,810	1,366	20.8
Ag Land	178,522	3,378	51.5
Ag Building	15,524	294	4.4
Commercial	23,728	592	9.0
Industrial	2,921	73	1.1
Personal	14,133	294	4.4
Personal Real	135	3	0.0
Utilities	30,427	589	8.9
Total	323,576	6,556	100.0

ADAMS County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	30,429	699	18.4
Ag Land	118,890	2,067	54.5
Ag Building	13,401	233	6.1
Commercial	7,395	183	4.8
Industrial	1,405	26	0.6
Personal	7,178	133	3.5
Personal Real	3,803	66	1.7
Utilities	22,769	400	10.5
Total	204,265	3,788	100.0

ALLAMAKEE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	102,461	2,415	30.1
Ag Land	113,796	2,182	27.2
Ag Building	32,910	632	7.8
Commercial	26,074	655	8.1
Industrial	5,872	132	1.6
Personal	16,119	336	4.2
Personal Real	3,332	72	0.9
Utilities	89,021	1,635	20.4
Total	387,498	8,015	100.0

APPANOOSE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	86,088	2,719	35.6
Ag Land	96,413	2,381	31.2
Ag Building	4,760	117	1.5
Commercial	23,165	803	10.5
Industrial	8,193	263	3.4
Personal	12,416	374	4.9
Personal Real	10,325	378	4.9
Utilities	23,976	670	8.7
Total	262,639	7,623	100.0

AUDUBON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	64,123	1,501	26.1
Ag Land	158,814	2,884	50.2
Ag Building	20,392	370	6.4
Commercial	12,833	321	5.5
Industrial	1,411	36	0.6
Personal	12,985	254	4.4
Personal Real	939	23	0.4
Utilities	19,522	378	6.5
Total	289,410	5,745	100.0

BENTON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	173,214	4,313	31.0
Ag Land	291,242	5,922	42.5
Ag Building	46,380	943	6.7
Commercial	41,604	1,122	8.0
Industrial	4,451	128	0.9
Personal	29,687	654	4.7
Personal Real	5,783	166	1.1
Utilities	34,768	755	5.4
Total	623,104	13,905	100.0

BLACK HAWK County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	1,271,189	38,645	50.7
Ag Land	233,403	4,888	6.4
Ag Building	36,911	774	1.0
Commercial	430,523	13,519	17.7
Industrial	141,386	4,480	5.8
Personal	100,826	3,029	3.9
Personal Real	208,203	6,608	8.6
Utilities	166,814	4,820	6.3
Total	2,566,483	76,201	100.0

BOONE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	213,923	6,663	41.1
Ag Land	258,551	5,097	31.5
Ag Building	18,955	379	2.3
Commercial	53,363	1,719	10.6
Industrial	8,443	223	1.3
Personal	20,396	502	3.1
Personal Real	1,919	42	0.2
Utilities	71,234	1,700	10.5
Total	642,062	16,180	100.0

BREMER County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	217,769	5,437	45.3
Ag Land	160,079	3,178	26.5
Ag Building	30,710	610	5.0
Commercial	45,632	1,165	9.7
Industrial	11,699	292	2.4
Personal	21,540	482	4.0
Personal Real	8,380	210	1.7
Utilities	31,516	693	5.7
Total	523,638	11,979	100.0

BUCHANAN County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	166,860	4,048	35.5
Ag Land	245,563	4,666	40.9
Ag Building	30,358	577	5.0
Commercial	31,365	839	7.3
Industrial	8,366	210	1.8
Personal	19,182	403	3.5
Personal Real	4,575	127	1.1
Utilities	29,594	599	5.2
Total	532,134	11,381	100.0

BUENA VISTA County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	173,491	3,919	31.8
Ag Land	263,849	4,715	38.2
Ag Building	31,128	556	4.5
Commercial	65,516	1,555	12.6
Industrial	8,888	208	1.6
Personal	24,811	507	4.1
Personal Real	10,099	245	1.9
Utilities	35,068	694	5.6
Total	609,191	12,320	100.0

BUTLER County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	134,971	2,920	30.4
Ag Land	265,464	4,597	47.8
Ag Building	25,835	447	4.6
Commercial	29,542	663	6.9
Industrial	3,500	68	0.7
Personal	18,514	344	3.5
Personal Real	1,894	35	0.3
Utilities	30,869	584	6.0
Total	507,687	9,599	100.0

CALHOUN County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	100,994	2,400	24.1
Ag Land	310,798	5,554	55.7
Ag Building	9,511	169	1.7
Commercial	33,479	848	8.5
Industrial	2,735	63	0.6
Personal	18,226	361	3.6
Personal Real	909	22	0.2
Utilities	29,741	595	5.9
Total	504,049	9,959	100.0

CARROLL County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	192,908	4,152	33.4
Ag Land	251,090	4,333	34.8
Ag Building	24,018	425	3.4
Commercial	86,345	1,843	14.8
Industrial	15,202	352	2.8
Personal	23,586	459	3.6
Personal Real	12,962	300	2.4
Utilities	34,476	640	5.1
Total	637,791	12,426	100.0

Property valuation and tax levies (continued)

CASS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	125,958	3,117	31.9
	Ag Land	193,239	3,749	38.4
	Ag Building	24,486	475	4.8
	Commercial	38,041	976	10.0
	Industrial	6,023	144	1.4
	Personal	18,799	404	4.1
	Personal Real	5,124	117	1.2
	Utilities	39,441	834	8.5
	Total	448,215	9,748	100.0

CEDAR County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	160,444	3,496	30.9
	Ag Land	260,537	4,907	43.4
	Ag Building	37,535	705	6.2
	Commercial	37,712	851	7.5
	Industrial	14,384	297	2.6
	Personal	19,834	396	3.5
	Personal Real	7,540	153	1.3
	Utilities	28,157	554	4.9
	Total	563,222	11,300	100.0

CERRO GORDO County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	458,717	11,870	43.4
	Ag Land	277,973	5,347	19.5
	Ag Building	1,653	31	0.1
	Commercial	168,564	4,476	16.3
	Industrial	63,019	1,732	6.3
	Personal	49,065	1,201	4.3
	Personal Real	53,143	1,469	5.3
	Utilities	63,492	1,442	5.2
	Total	1,126,386	27,328	100.0

CHEROKEE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	111,115	2,747	28.7
	Ag Land	208,220	3,758	39.2
	Ag Building	25,489	459	4.8
	Commercial	49,222	1,313	13.7
	Industrial	8,252	191	2.0
	Personal	21,029	435	4.5
	Personal Real	3,453	82	0.8
	Utilities	31,822	646	6.7
	Total	455,761	9,565	100.0

CHICKASAW County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	131,197	2,882	31.9
	Ag Land	197,360	3,725	41.2
	Ag Building	23,820	450	4.9
	Commercial	30,621	679	7.5
	Industrial	12,324	293	3.2
	Personal	18,490	372	4.1
	Personal Real	9,632	209	2.3
	Utilities	23,323	463	5.1
	Total	444,428	9,027	100.0

CLARKE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	61,577	1,622	30.8
	Ag Land	87,455	1,872	35.5
	Ag Building	10,506	225	4.2
	Commercial	18,586	506	9.6
	Industrial	5,642	162	3.0
	Personal	6,654	160	3.0
	Personal Real	6,347	183	3.4
	Utilities	25,381	571	10.8
	Total	220,566	5,264	100.0

CLAY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	167,354	3,887	30.4
	Ag Land	266,269	4,439	34.7
	Ag Building	14,931	248	1.9
	Commercial	99,904	2,452	19.1
	Industrial	11,710	255	2.0
	Personal	29,929	618	4.8
	Personal Real	10,161	213	1.6
	Utilities	40,071	733	5.7
	Total	637,185	12,775	100.0

CLAYTON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	145,157	3,795	34.9
	Ag Land	177,126	3,838	35.3
	Ag Building	41,149	892	8.2
	Commercial	29,154	832	7.6
	Industrial	6,278	165	1.5
	Personal	17,975	414	3.8
	Personal Real	4,359	112	1.0
	Utilities	38,547	884	8.1
	Total	456,502	10,856	100.0

CLINTON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	441,798	12,397	39.4
	Ag Land	272,204	5,490	17.4
	Ag Building	28,493	575	1.8
	Commercial	138,131	4,102	13.0
	Industrial	72,281	2,121	6.7
	Personal	49,084	1,299	4.1
	Personal Real	107,098	3,171	10.0
	Utilities	97,082	2,545	8.0
	Total	1,196,478	31,428	100.0

CRAWFORD County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	134,101	3,153	29.4
	Ag Land	227,382	4,250	39.7
	Ag Building	33,402	624	5.8
	Commercial	48,703	1,211	11.3
	Industrial	10,577	254	2.3
	Personal	22,945	477	4.4
	Personal Real	7,514	175	1.6
	Utilities	31,021	613	5.7
	Total	512,719	10,692	100.0

DALLAS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	269,124	7,066	38.4
	Ag Land	246,554	4,985	27.1
	Ag Building	19,291	389	2.1
	Commercial	83,781	2,337	12.7
	Industrial	9,635	229	1.2
	Personal	24,314	569	3.0
	Personal Real	6,167	153	0.8
	Utilities	131,400	2,796	15.2
	Total	785,130	18,389	100.0

DAVIS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	43,405	1,242	24.8
	Ag Land	104,129	2,304	46.1
	Ag Building	19,629	434	8.6
	Commercial	12,581	409	8.2
	Industrial	1,611	55	1.1
	Personal	8,054	209	4.1
	Personal Real	1,534	55	1.1
	Utilities	14,417	324	6.5
	Total	203,883	4,993	100.0

DECATUR County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	49,213	1,351	26.9
	Ag Land	103,079	2,232	44.5
	Ag Building	9,033	194	3.8
	Commercial	16,220	476	9.5
	Industrial	1,929	51	1.0
	Personal	7,557	191	3.8
	Personal Real	973	25	0.5
	Utilities	21,992	510	10.1
	Total	208,615	5,007	100.0

DELAWARE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	137,411	3,187	32.5
	Ag Land	177,449	3,636	37.1
	Ag Building	43,728	895	9.1
	Commercial	26,601	650	6.6
	Industrial	7,783	191	1.9
	Personal	18,162	395	4.0
	Personal Real	10,772	267	2.7
	Utilities	29,012	619	6.3
	Total	448,164	9,780	100.0

Property valuation and tax levies (continued)

DES MOINES County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	369,623	10,680	46.4
	Ag Land	154,184	2,505	10.8
	Ag Building	22,609	417	1.8
	Commercial	128,822	3,862	16.7
	Industrial	53,658	1,588	6.9
	Personal	44,880	1,241	5.3
	Personal Real	46,730	1,356	5.8
	Utilities	65,364	1,602	6.9
	Total	857,208	23,003	100.0

DICKINSON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	271,993	5,703	49.7
	Ag Land	163,151	2,672	23.2
	Ag Building	6,728	110	0.9
	Commercial	77,226	1,776	15.4
	Industrial	8,510	233	2.0
	Personal	14,276	289	2.5
	Personal Real	4,857	129	1.1
	Utilities	31,330	627	5.4
	Total	574,976	11,473	100.0

DUBUQUE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	731,152	22,099	51.7
	Ag Land	120,606	2,631	6.1
	Ag Building	50,798	1,108	2.5
	Commercial	248,491	7,932	18.5
	Industrial	105,262	2,843	6.6
	Personal	67,545	1,999	4.6
	Personal Real	59,060	1,680	3.9
	Utilities	98,167	2,840	6.6
	Total	1,467,266	42,731	100.0

EMMET County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	93,938	2,518	32.0
	Ag Land	177,698	3,324	42.2
	Ag Building	9,066	171	2.1
	Commercial	31,295	871	11.0
	Industrial	6,975	164	2.0
	Personal	19,201	414	5.2
	Personal Real	5,270	124	1.5
	Utilities	15,578	335	4.2
	Total	356,636	7,862	100.0

FAYETTE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	187,123	4,591	34.4
	Ag Land	257,667	4,714	35.3
	Ag Building	38,625	706	5.2
	Commercial	53,810	1,398	10.4
	Industrial	10,583	264	1.9
	Personal	33,309	685	5.1
	Personal Real	9,983	252	1.8
	Utilities	40,132	834	6.2
	Total	627,054	13,343	100.0

FLOYD County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	143,962	3,559	31.6
	Ag Land	207,438	3,991	35.4
	Ag Building	31,660	611	5.4
	Commercial	39,366	1,021	9.0
	Industrial	14,782	392	3.4
	Personal	26,252	588	5.2
	Personal Real	13,883	371	3.3
	Utilities	36,145	805	7.1
	Total	510,079	11,256	100.0

FRANKLIN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	104,791	2,433	23.2
	Ag Land	297,545	5,376	51.4
	Ag Building	19,926	360	3.4
	Commercial	18,038	454	4.3
	Industrial	13,653	319	3.0
	Personal	22,105	445	4.2
	Personal Real	7,162	180	1.7
	Utilities	47,220	916	8.7
	Total	528,237	10,448	100.0

FREMONT County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	56,506	1,226	17.9
	Ag Land	215,995	3,810	55.8
	Ag Building	21,035	369	5.4
	Commercial	17,050	377	5.5
	Industrial	6,839	134	1.9
	Personal	11,465	216	3.1
	Personal Real	9,519	191	2.8
	Utilities	28,003	523	7.6
	Total	364,910	6,818	100.0

GREENE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	88,421	1,976	22.3
	Ag Land	300,013	5,071	57.4
	Ag Building	8,959	151	1.7
	Commercial	31,564	757	8.5
	Industrial	6,580	157	1.7
	Personal	18,149	342	3.8
	Personal Real	604	13	0.1
	Utilities	23,040	414	4.6
	Total	475,129	8,835	100.0

GRUNDY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	127,417	2,897	27.9
	Ag Land	286,633	5,137	49.5
	Ag Building	18,969	339	3.2
	Commercial	25,963	630	6.0
	Industrial	11,275	243	2.3
	Personal	24,651	480	4.6
	Personal Real	8,945	213	2.0
	Utilities	25,877	487	4.6
	Total	527,449	10,378	100.0

GUTHRIE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	91,426	2,020	27.3
	Ag Land	191,096	3,537	47.8
	Ag Building	7,262	135	1.8
	Commercial	26,477	692	9.3
	Industrial	2,882	63	0.8
	Personal	10,399	212	2.8
	Personal Real	969	23	0.3
	Utilities	39,879	756	10.2
	Total	368,103	7,392	100.0

HAMILTON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	154,861	3,803	28.5
	Ag Land	297,665	5,485	41.1
	Ag Building	25,100	461	3.4
	Commercial	56,801	1,421	10.6
	Industrial	14,263	353	2.6
	Personal	29,040	603	4.5
	Personal Real	14,977	393	2.9
	Utilities	42,115	884	6.6
	Total	631,701	13,330	100.0

HANCOCK County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	107,803	2,439	21.6
	Ag Land	289,206	4,745	42.1
	Ag Building	12,730	210	1.8
	Commercial	32,439	792	7.0
	Industrial	25,223	634	5.6
	Personal	23,958	447	3.9
	Personal Real	16,075	408	3.6
	Utilities	100,634	1,623	14.4
	Total	605,816	11,250	100.0

HARDIN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	182,915	4,469	34.1
	Ag Land	290,934	5,005	38.2
	Ag Building	13,751	235	1.7
	Commercial	54,721	1,347	10.3
	Industrial	10,414	261	1.9
	Personal	26,786	540	4.1
	Personal Real	14,366	355	2.7
	Utilities	46,958	963	7.3
	Total	636,773	13,081	100.0

Property valuation and tax levies (continued)

HARRISON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	101,556	2,396	26.0
Ag Land	244,627	4,558	49.5
Ag Building	21,322	397	4.3
Commercial	25,911	662	7.2
Industrial	3,243	82	0.9
Personal	16,715	345	3.7
Personal Real	1,955	53	0.5
Utilities	36,225	739	8.0
Total	449,779	9,191	100.0

HENRY County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	130,596	3,608	35.0
Ag Land	146,408	3,442	33.4
Ag Building	24,252	564	5.4
Commercial	44,547	1,258	12.2
Industrial	11,979	325	3.1
Personal	18,253	462	4.4
Personal Real	8,569	237	2.3
Utilities	18,870	464	4.5
Total	400,535	10,284	100.0

HOWARD County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	69,974	1,900	26.8
Ag Land	180,127	3,543	49.9
Ag Building	20,117	396	5.5
Commercial	18,974	542	7.6
Industrial	3,982	118	1.6
Personal	13,226	298	4.2
Personal Real	2,351	73	1.0
Utilities	11,781	263	3.7
Total	318,860	7,092	100.0

HUMBOLDT County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	93,865	2,205	25.4
Ag Land	232,376	4,063	46.8
Ag Building	9,871	173	1.9
Commercial	32,486	794	9.1
Industrial	5,442	136	1.5
Personal	20,639	401	4.6
Personal Real	3,610	82	0.9
Utilities	45,898	873	10.0
Total	441,929	8,677	100.0

IDA County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	56,284	1,301	22.7
Ag Land	153,773	2,828	49.4
Ag Building	12,843	235	4.1
Commercial	23,449	578	10.1
Industrial	4,296	110	1.9
Personal	11,827	237	4.1
Personal Real	994	25	0.4
Utilities	21,682	441	7.7
Total	283,413	5,720	100.0

IOWA County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	112,234	2,586	26.4
Ag Land	188,584	3,887	39.7
Ag Building	26,186	535	5.4
Commercial	28,472	651	6.6
Industrial	23,557	496	5.0
Personal	22,675	479	4.8
Personal Real	25,973	555	5.6
Utilities	30,880	650	6.6
Total	455,964	9,780	100.0

JACKSON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	157,638	4,145	39.9
Ag Land	146,622	3,426	32.9
Ag Building	19,327	451	4.3
Commercial	41,518	1,140	10.9
Industrial	5,485	152	1.4
Personal	13,626	344	3.3
Personal Real	4,907	135	1.3
Utilities	27,701	672	6.4
Total	413,419	10,383	100.0

JASPER County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	295,788	8,281	38.4
Ag Land	241,581	5,529	25.6
Ag Building	31,564	722	3.3
Commercial	80,478	2,353	10.9
Industrial	31,650	956	4.4
Personal	46,087	1,273	5.9
Personal Real	39,645	1,202	5.5
Utilities	55,372	1,382	6.4
Total	815,947	21,526	100.0

JEFFERSON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	119,097	2,908	35.4
Ag Land	126,628	2,662	32.4
Ag Building	15,700	329	4.0
Commercial	33,795	860	10.4
Industrial	9,384	244	2.9
Personal	16,743	380	4.6
Personal Real	11,811	309	3.7
Utilities	26,034	574	6.9
Total	356,934	8,216	100.0

JOHNSON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	813,667	20,788	48.4
Ag Land	203,535	4,219	9.8
Ag Building	28,229	578	1.3
Commercial	401,265	10,729	25.0
Industrial	39,057	1,012	2.3
Personal	56,257	1,418	3.3
Personal Real	35,464	955	2.2
Utilities	139,955	3,404	7.9
Total	1,708,595	42,881	100.0

JONES County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	140,727	3,465	33.9
Ag Land	182,241	3,762	36.9
Ag Building	29,041	597	5.8
Commercial	32,433	845	8.2
Industrial	8,052	210	2.0
Personal	17,832	396	3.8
Personal Real	8,979	240	2.3
Utilities	34,649	753	7.3
Total	450,779	10,193	100.0

KEOKUK County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	74,178	1,731	23.1
Ag Land	194,401	3,728	49.7
Ag Building	29,631	567	7.5
Commercial	17,485	431	5.7
Industrial	7,797	164	2.2
Personal	15,012	309	4.1
Personal Real	2,236	46	0.6
Utilities	28,224	571	7.6
Total	366,725	7,493	100.0

KOSSUTH County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	175,101	3,509	23.2
Ag Land	502,272	7,470	49.5
Ag Building	19,932	297	1.9
Commercial	48,521	1,072	7.1
Industrial	37,011	759	5.0
Personal	38,601	636	4.2
Personal Real	6,917	155	1.0
Utilities	80,449	1,260	8.3
Total	905,295	15,090	100.0

LEE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	310,100	8,545	35.3
Ag Land	130,281	2,750	11.3
Ag Building	17,896	376	1.5
Commercial	104,091	2,894	11.9
Industrial	97,504	2,841	11.7
Personal	38,539	1,055	4.3
Personal Real	125,718	3,877	16.0
Utilities	76,661	2,023	8.3
Total	893,282	24,156	100.0

Property valuation and tax levies (continued)

LINN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	1,628,929	49,844	47.3
	Ag Land	258,340	6,047	5.7
	Ag Building	17,598	411	0.3
	Commercial	717,439	22,693	21.5
	Industrial	214,492	6,774	6.4
	Personal	134,726	4,156	3.9
	Personal Real	216,494	6,843	6.5
	Utilities	337,344	9,291	8.8
	Total	3,494,505	105,237	100.0

LOUISA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	87,593	1,904	24.0
	Ag Land	142,395	2,831	35.8
	Ag Building	11,023	219	2.7
	Commercial	20,831	486	6.1
	Industrial	2,404	50	0.6
	Personal	10,857	224	2.8
	Personal Real	1,948	42	0.5
	Utilities	113,031	2,189	27.6
	Total	388,104	7,904	100.0

LUCAS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	65,543	1,876	32.3
	Ag Land	86,438	1,988	34.2
	Ag Building	8,577	197	3.4
	Commercial	24,557	770	13.2
	Industrial	2,602	68	1.1
	Personal	15,731	450	7.7
	Personal Real	2,544	77	1.3
	Utilities	16,377	416	7.1
	Total	220,643	5,797	100.0

LYON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	81,336	1,656	23.6
	Ag Land	238,596	3,977	56.8
	Ag Building	13,490	224	3.2
	Commercial	21,454	463	6.6
	Industrial	1,795	35	0.5
	Personal	15,284	267	3.8
	Personal Real	355	6	0.0
	Utilities	22,972	400	5.7
	Total	393,330	6,992	100.0

MADISON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	98,822	2,622	31.3
	Ag Land	144,040	3,372	40.3
	Ag Building	17,807	416	4.9
	Commercial	20,314	561	6.7
	Industrial	477	12	0.1
	Personal	11,412	279	3.3
	Personal Real	420	11	0.1
	Utilities	47,595	1,134	13.5
	Total	338,747	8,353	100.0

MAHASKA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	150,621	3,713	31.9
	Ag Land	201,016	3,890	33.4
	Ag Building	22,395	436	3.7
	Commercial	48,782	1,316	11.3
	Industrial	13,966	383	3.3
	Personal	21,279	475	4.0
	Personal Real	9,224	264	2.2
	Utilities	56,767	1,226	10.5
	Total	520,501	11,617	100.0

MARION County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	231,998	5,703	43.0
	Ag Land	133,346	3,103	23.4
	Ag Building	15,269	348	2.6
	Commercial	59,115	1,458	11.0
	Industrial	24,682	574	4.3
	Personal	21,335	493	3.7
	Personal Real	32,491	777	5.8
	Utilities	35,684	863	6.5
	Total	550,498	13,245	100.0

MARSHALL County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	343,110	10,160	40.5
	Ag Land	235,040	4,743	18.9
	Ag Building	33,136	666	2.6
	Commercial	108,786	3,357	13.3
	Industrial	36,843	1,197	4.7
	Personal	44,761	1,295	5.1
	Personal Real	37,451	1,219	4.8
	Utilities	92,326	2,662	10.6
	Total	923,937	25,081	100.0

MILLS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	92,664	2,240	27.6
	Ag Land	175,795	3,380	41.6
	Ag Building	16,988	326	4.0
	Commercial	25,428	660	8.1
	Industrial	1,891	49	0.6
	Personal	12,444	261	3.2
	Personal Real	1,997	53	0.6
	Utilities	59,103	1,191	14.6
	Total	384,201	8,112	100.0

MITCHELL County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	77,030	1,642	23.5
	Ag Land	227,782	3,810	54.7
	Ag Building	16,576	276	3.9
	Commercial	22,204	485	6.9
	Industrial	3,620	90	1.2
	Personal	15,700	283	4.0
	Personal Real	3,170	75	1.0
	Utilities	19,508	342	4.9
	Total	383,468	6,962	100.0

MONONA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	73,588	1,765	21.7
	Ag Land	230,298	4,399	54.2
	Ag Building	13,777	263	3.2
	Commercial	25,349	643	7.9
	Industrial	840	22	0.2
	Personal	13,053	274	3.3
	Personal Real	2,472	64	0.7
	Utilities	36,874	728	8.9
	Total	394,053	8,113	100.0

MONROE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	53,870	1,575	31.4
	Ag Land	82,899	1,993	39.8
	Ag Building	8,392	200	4.0
	Commercial	13,796	443	8.8
	Industrial	3,768	105	2.1
	Personal	6,169	170	3.4
	Personal Real	4,223	125	2.5
	Utilities	16,742	428	8.5
	Total	188,528	5,004	100.0

MONTGOMERY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	92,294	2,556	30.4
	Ag Land	173,116	3,336	39.7
	Ag Building	13,577	261	3.1
	Commercial	24,868	713	8.4
	Industrial	9,813	259	3.0
	Personal	14,239	322	3.8
	Personal Real	10,005	236	2.8
	Utilities	35,593	782	9.3
	Total	370,989	8,401	100.0

MUSCATINE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	394,865	10,281	41.1
	Ag Land	170,390	3,419	13.6
	Ag Building	11,656	235	0.9
	Commercial	108,203	2,952	11.8
	Industrial	101,745	2,552	10.2
	Personal	35,688	868	3.4
	Personal Real	140,679	3,395	13.5
	Utilities	64,850	1,431	5.7
	Total	1,021,620	24,975	100.0

O'BRIEN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	125,879	2,754	29.5
	Ag Land	279,370	4,254	45.6
	Ag Building	16,051	244	2.6
	Commercial	47,039	1,068	11.4
	Industrial	5,673	139	1.4
	Personal	18,985	336	3.6
	Personal Real	3,246	79	0.8
	Utilities	29,588	507	5.4
	Total	522,759	9,319	100.0

OSCEOLA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	52,478	1,194	20.3
	Ag Land	189,076	3,341	56.9
	Ag Building	11,224	198	3.3
	Commercial	15,987	381	6.5
	Industrial	3,299	81	1.3
	Personal	12,935	252	4.3
	Personal Real	7,580	182	3.1
	Utilities	14,095	265	4.5
	Total	305,142	5,863	100.0

PAGE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	113,069	3,089	31.3
	Ag Land	201,484	3,731	37.8
	Ag Building	15,024	278	2.8
	Commercial	43,015	1,278	12.9
	Industrial	5,943	179	1.8
	Personal	16,662	384	3.9
	Personal Real	8,676	267	2.7
	Utilities	32,463	723	7.3
	Total	433,118	9,846	100.0

PALO ALTO County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	84,132	1,862	23.2
	Ag Land	278,909	4,496	56.2
	Ag Building	15,270	246	3.0
	Commercial	32,594	769	9.6
	Industrial	1,293	27	0.3
	Personal	13,822	241	3.0
	Personal Real	1,869	43	0.5
	Utilities	19,601	356	4.4
	Total	445,248	7,995	100.0

PLYMOUTH County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	190,412	4,207	33.4
	Ag Land	283,772	4,601	36.5
	Ag Building	49,922	804	6.3
	Commercial	50,936	1,232	9.7
	Industrial	7,478	173	1.3
	Personal	26,852	491	3.9
	Personal Real	2,702	63	0.5
	Utilities	61,651	1,097	8.7
	Total	669,836	12,586	100.0

POCAHONTAS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	76,020	1,505	18.5
	Ag Land	308,079	4,633	57.1
	Ag Building	17,800	267	3.3
	Commercial	33,666	728	8.9
	Industrial	3,360	61	0.7
	Personal	23,386	388	4.7
	Personal Real	3,367	61	0.7
	Utilities	31,149	502	6.2
	Total	494,703	8,106	100.0

POLK County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	3,072,224	103,604	52.1
	Ag Land	191,165	5,120	2.5
	Ag Building	8,133	217	0.1
	Commercial	1,656,862	55,791	28.0
	Industrial	304,381	10,078	5.0
	Personal	247,672	8,662	4.3
	Personal Real	100,536	3,453	1.7
	Utilities	406,313	13,044	6.5
	Total	5,934,075	198,585	100.0

POTTAWATTAMIE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	595,504	19,369	44.8
	Ag Land	341,893	6,726	15.5
	Ag Building	47,338	933	2.1
	Commercial	183,279	6,567	15.1

POTTAWATTAMIE County continued	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Industrial	27,803	959	2.2
	Personal	43,154	1,254	2.9
	Personal Real	26,623	883	2.0
	Utilities	232,917	6,946	16.0
	Total	1,483,964	43,222	100.0

POWESHIEK County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	155,882	3,950	34.7
	Ag Land	181,419	3,638	31.9
	Ag Building	39,084	781	6.8
	Commercial	46,604	1,233	10.8
	Industrial	12,826	351	3.0
	Personal	22,853	513	4.5
	Personal Real	8,833	222	1.9
	Utilities	36,375	770	6.7
	Total	500,800	11,384	100.0

RINGGOLD County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	36,721	876	22.1
	Ag Land	122,998	2,122	53.5
	Ag Building	15,875	273	6.9
	Commercial	8,623	246	6.2
	Industrial	1,201	34	0.8
	Personal	6,385	125	3.1
	Personal Real	50	1	0.0
	Utilities	15,801	305	7.7
	Total	206,545	3,960	100.0

SAC County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	105,990	2,411	25.3
	Ag Land	265,736	4,899	51.4
	Ag Building	28,000	515	5.4
	Commercial	27,735	658	6.9
	Industrial	5,504	130	1.3
	Personal	20,804	415	4.3
	Personal Real	1,847	41	0.4
	Utilities	26,095	518	5.4
	Total	479,195	9,531	100.0

SCOTT County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	1,578,119	49,633	49.9
	Ag Land	172,437	3,792	3.8
	Ag Building	29,571	646	0.6
	Commercial	633,100	20,453	20.5
	Industrial	198,423	5,970	6.0
	Personal	132,373	3,869	3.8
	Personal Real	239,458	6,780	6.8
	Utilities	285,977	8,756	8.8
	Total	3,246,263	99,328	100.0

SHELBY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	102,248	2,497	27.8
	Ag Land	205,027	4,009	44.6
	Ag Building	34,322	672	7.4
	Commercial	31,513	821	9.1
	Industrial	2,680	62	0.6
	Personal	18,421	391	4.3
	Personal Real	2,057	50	0.5
	Utilities	25,320	529	5.8
	Total	419,211	8,978	100.0

SIOUX County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	231,196	5,227	35.7
	Ag Land	278,201	4,734	32.3
	Ag Building	52,332	892	6.1
	Commercial	73,551	1,695	11.6
	Industrial	14,437	313	2.1
	Personal	31,521	614	4.2
	Personal Real	11,389	237	1.6
	Utilities	54,820	988	6.7
	Total	743,164	14,612	100.0

STORY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	602,679	15,033	48.5
	Ag Land	290,309	5,456	17.6
	Ag Building	7,188	135	0.4
	Commercial	271,069	6,958	22.4
	Industrial	30,349	764	2.4
	Personal	43,347	986	3.1
	Personal Real	28,255	729	2.3
	Utilities	52,761	1,333	3.6
	Total	1,317,782	30,994	100.0

TAMA County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	136,708	3,054	26.4
Ag Land	327,928	5,661	49.0
Ag Building	24,971	433	3.7
Commercial	39,265	957	8.2
Industrial	16,644	366	3.1
Personal	21,922	411	3.5
Personal Real	5,672	122	1.0
Utilities	31,344	605	5.2
Total	601,054	11,537	100.0

TAYLOR County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	38,542	1,049	20.3
Ag Land	161,231	3,182	61.6
Ag Building	8,592	169	3.2
Commercial	6,893	213	4.1
Industrial	990	31	0.6
Personal	8,529	184	3.5
Personal Real	427	13	0.2
Utilities	16,964	358	6.9
Total	240,526	5,158	100.0

UNION County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	91,451	2,770	34.7
Ag Land	104,318	2,273	28.5
Ag Building	8,239	179	2.2
Commercial	41,126	1,329	16.6
Industrial	10,067	248	3.1
Personal	10,718	291	3.6
Personal Real	1,992	63	0.7
Utilities	37,337	886	11.1
Total	303,141	7,978	100.0

VAN BUREN County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	40,120	1,027	23.1
Ag Land	97,240	2,284	51.4
Ag Building	15,308	360	8.1
Commercial	6,452	176	3.9
Industrial	2,875	79	1.7
Personal	6,858	167	3.7
Personal Real	2,645	69	1.5
Utilities	12,881	313	7.0
Total	182,877	4,440	100.0

WAPELLO County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	251,024	9,263	45.4
Ag Land	104,129	2,716	13.3
Ag Building	9,137	236	1.1
Commercial	76,390	2,968	14.5
Industrial	24,872	945	4.6
Personal	28,274	1,028	5.0
Personal Real	14,680	564	2.7
Utilities	107,245	2,935	14.4
Total	607,817	20,365	100.0

WARREN County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	322,018	9,011	53.8
Ag Land	141,773	3,453	20.6
Ag Building	16,888	408	2.4
Commercial	62,402	1,792	10.7
Industrial	1,980	54	0.3
Personal	17,282	448	2.6
Personal Real	2,255	62	0.3
Utilities	64,399	1,657	9.9
Total	623,317	16,731	100.0

WASHINGTON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	160,634	3,649	31.8
Ag Land	220,710	4,199	36.6
Ag Building	31,025	591	5.1
Commercial	48,764	1,135	9.9
Industrial	15,782	383	3.3
Personal	23,597	490	4.2
Personal Real	14,133	347	3.0
Utilities	35,843	722	6.3
Total	547,443	11,450	100.0

WAYNE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	42,895	1,001	21.7
Ag Land	117,785	2,311	50.2
Ag Building	12,700	248	5.4
Commercial	13,492	328	7.1
Industrial	2,222	54	1.1
Personal	8,002	168	3.6
Personal Real	1,857	46	1.0
Utilities	23,138	471	10.2
Total	220,599	4,595	100.0

WEBSTER County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	335,431	9,712	36.6
Ag Land	354,783	6,887	26.0
Ag Building	11,218	217	0.8
Commercial	144,738	4,317	16.3
Industrial	37,487	968	3.6
Personal	43,971	1,178	4.4
Personal Real	16,905	470	1.7
Utilities	119,299	2,897	10.9
Total	1,055,796	26,479	100.0

WINNEBAGO County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	97,575	2,155	30.5
Ag Land	208,078	3,106	44.0
Ag Building	9,954	147	2.0
Commercial	29,358	712	10.1
Industrial	6,914	160	2.2
Personal	18,904	344	4.8
Personal Real	5,154	112	1.5
Utilities	22,414	354	5.0
Total	396,337	7,050	100.0

WINNESHIEK County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	148,224	3,892	35.8
Ag Land	148,159	3,272	30.1
Ag Building	57,219	1,265	11.6
Commercial	36,391	1,022	9.4
Industrial	4,810	132	1.2
Personal	22,946	546	5.0
Personal Real	3,205	92	0.8
Utilities	30,067	717	6.6
Total	448,109	10,867	100.0

WOODBURY County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	764,715	26,905	46.4
Ag Land	272,045	5,253	9.0
Ag Building	18,417	359	0.6
Commercial	306,443	11,182	19.2
Industrial	61,045	1,840	3.1
Personal	71,766	2,340	4.0
Personal Real	76,981	2,217	3.8
Utilities	360,579	8,316	14.3
Total	1,914,161	57,966	100.0

WORTH County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	64,897	1,455	23.0
Ag Land	205,125	3,567	56.4
Ag Building	7,888	137	2.1
Commercial	15,570	378	5.9
Industrial	905	20	0.3
Personal	11,068	200	3.1
Personal Real	1,059	26	0.4
Utilities	30,595	565	8.9
Total	335,653	6,319	100.0

WRIGHT County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	135,154	3,139	25.9
Ag Land	321,422	5,170	42.7
Ag Building	9,526	153	1.2
Commercial	50,825	1,264	10.4
Industrial	18,524	457	3.7
Personal	28,273	548	4.5
Personal Real	28,747	740	6.1
Utilities	37,882	700	5.7
Total	627,567	12,108	100.0

Source: Office of State Comptroller.

Transportation

Distance from central Iowa to urban markets

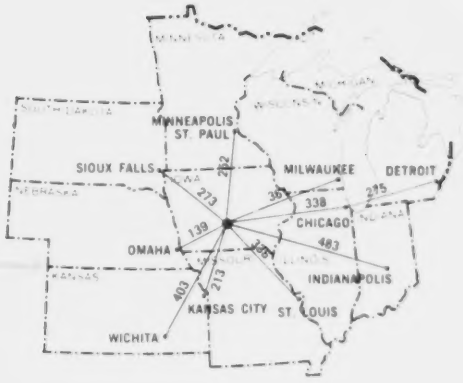
Iowa is an ideal distribution point.

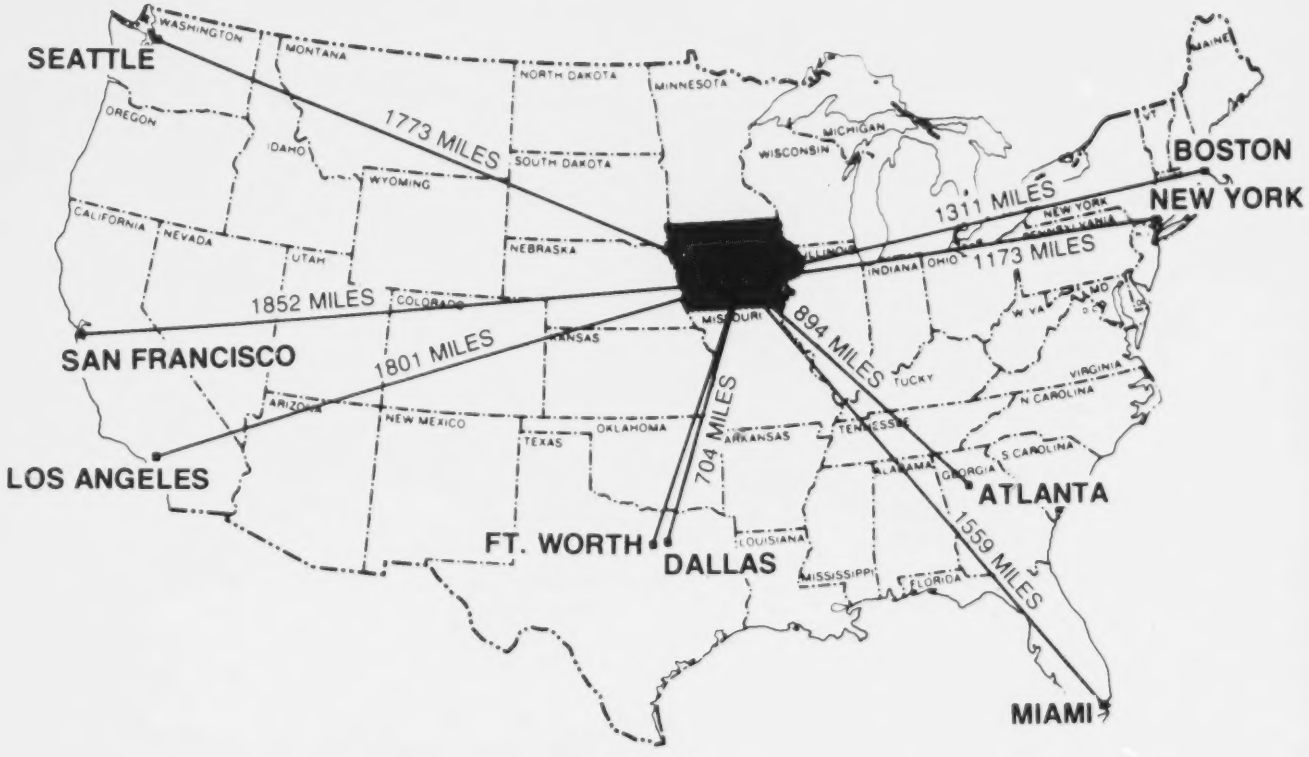
Only a day away are Chicago, Twin Cities, St. Louis, Kansas City, Milwaukee, Omaha, and Wichita—plus the many wealthy markets in between.

A rig can reach the farthest point in America in only three days; a train in four.

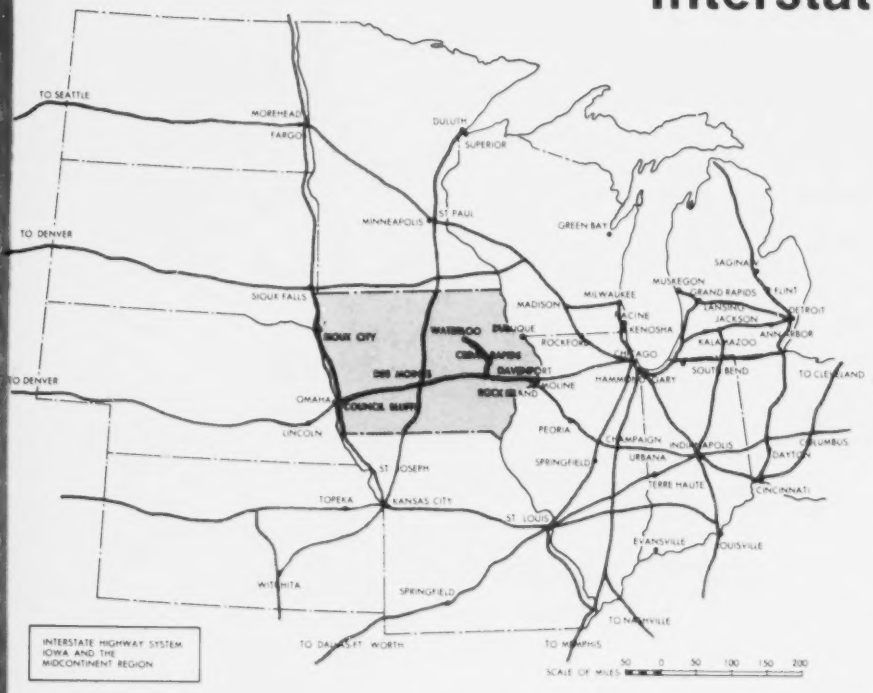
The nation's two transcontinental interstate highways intersect in Iowa. The state is served by all major truck lines and "double bottoms" are legal. You can reach the sea by both water and road.

Add Iowa's transportation advantages to our "Open Port Warehousing" and you have the perfect combination for moving products.





Interstate highway system



Iowa is ahead of 40 other states in miles of roads, though we're only twenty-fifth in area. You can drive to Boston from Iowa's western border without hitting a stop sign.

Aside from interstate highways, Iowa's expensive internal road system is based on a "farm-to-market" philosophy that reflects the urgency of moving our vast agricultural production.

Those same roads and highways, constantly updated, now also serve the industries that have been established in all parts of Iowa since World War II.

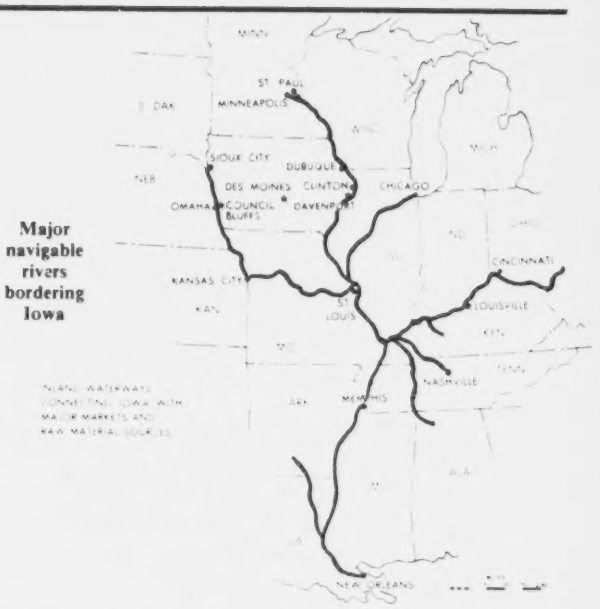
Iowa transportation summary

Railroads	
Class 1 miles of road operated 1983	4,695
Motor Vehicle Registration	2,960,256
Auto—1980	1,692,840
Trucks—1980	605,450
Motorcycles—1980	219,466
Truck tractors—1980	28,390
Airports—Public	350
All weather runways	93
Lighted runways	138

Iowa Highway and Road Mileage—Jan. 1, 1984	
Portland concrete	13,021.17
Asphalt paved	20,999.55
Bituminous treated	2,428.28
Gravel or stone	70,508.29
Not surfaced	5,526.97
Total	112,484.26
Municipal	13,744.32
Rural	98,428.27
State parks and inst. roads	311.67

Source: Iowa Department of Transportation.

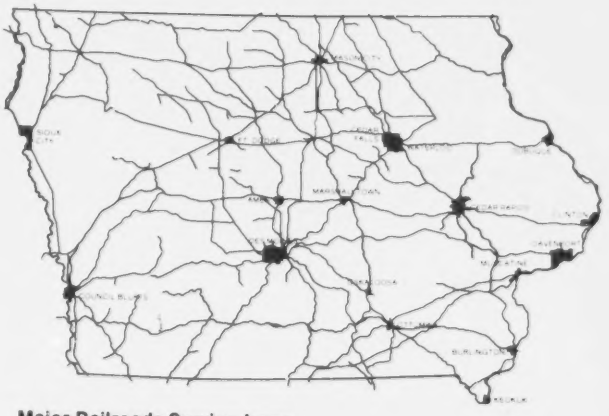
River, rail and air transportation



Major navigable rivers bordering Iowa

Iowa is the *only* state bordered by two navigable rivers. Goods can go by water as far east as Pennsylvania, west to Oklahoma, and to seaports on the gulf and great lakes.

Nearly 45 million tons of cargo moved on the Mississippi past Davenport in 1983. It included more than 31 million tons of grain, 5.9 million tons of coal, and more than 1.6 million tons of petroleum.



Major Railroads Serving Iowa

Six Class I railraods provide service on about 4,700 miles of operated track in Iowa.

Railroads serving Iowa offer "piggyback" service to 11 Iowa cities and 24 terminal sites. Shipments can reach about one-fourth of the nation in a day, the farthest point in only four days.

Airports In Iowa

Iowa has more than 350 airports, more than 38 other states. Of these, 93 have all-weather runways and 138 are lighted.

The state is served by eleven major airlines; American, American West, Continental, Eastern, Frontier, Northwest Orient, Ozark, Republic, TWA, United and Western, in addition to many commuter airlines.

You cannot drive more than 30 minutes in any direction in Iowa without finding an airport suitable for a company jet.

Revenue freight originating on Class I railroads (tons)

Code No	Commodity	1970	1975	1980	1981	1982	1983
01	Farm Products	10,950,353	10,571,249	17,850,717	15,563,411	11,550,424	14,494,250
08	Forest Products	—	—	—	—	—	—
09	Fresh Fish	592	216	—	—	—	—
10	Metallic Ores	1,597	308	170	286	178	—
11	Coal	548,202	243,922	13,220	148	523	70
13	Crude Petroleum	2,013	—	—	—	—	—
14	Nonmetallic Minerals	2,084,640	1,876,412	422,804	304,258	158,365	160,423
19	Ordnance and Accessories	115,309	51,292	4,972	6,252	6,120	8,988
20	Food and Kindred Products	7,737,795	7,130,873	6,752,803	6,798,592	6,496,620	6,891,646
21	Tobacco Products	54	18	—	32	—	—
22	Basic Textiles	1,018	722	296	1,443	671	225
23	Apparel and Finished Textile	444	54	39	31	26	—
24	Lumber and Wood Products	165,503	94,892	48,730	47,397	23,499	12,866
25	Furniture and Fixtures	31,973	27,299	15,103	15,688	9,515	7,651
26	Pulp, Paper and Allied Products	114,831	100,392	87,539	82,250	68,801	52,451
27	Printed Matter	40,719	27,387	12,530	9,060	5,731	1,302
28	Chemical and Allied Products	1,929,577	1,644,805	1,777,066	1,825,789	1,296,004	1,470,435
29	Petroleum and Coal Products	227,352	85,736	61,292	64,417	56,982	51,360
30	Rubber and Miscellaneous Plastic	110,663	93,208	36,041	35,072	32,475	16,011
31	Leather and Leather Products	2,161	94	847	1,231	2,662	541
32	Stone, Clay, Glass Products	2,062,995	1,187,516	1,029,447	847,484	579,765	608,552
33	Primary Metal Products	229,061	166,447	166,519	149,095	160,965	187,544
34	Fabricated Metal Products	80,117	54,569	79,743	59,267	5,702	8,265
35	Machinery Except Electrical	173,756	165,762	155,374	144,922	89,009	37,228
36	Electrical Machinery	166,603	154,534	39,762	32,847	22,367	10,923
37	Transportation Machinery	28,674	27,392	82,997	135,708	68,914	80,394
38	Instruments, Optical Products	301	—	—	75	143	109
39	Miscellaneous Manufacturing Products	1,938	2,455	1,551	1,144	359	29
40	Wasted Scrap Materials	504,531	579,930	627,277	721,465	411,238	546,843
41	Miscellaneous Freight Shipments	9,312	5,826	8,766	17,621	36,024	23,460
42	Container, Returned Empty	32,756	17,323	9,405	14,060	12,326	18,989
44	Freight Forwarder Traffic	3,078	406	11,302	212	—	50
45	Shipper Associate or Similar Traffic	1,438	11,306	6,054	6,235	22,831	20,100
46	Miscellaneous Mixed Shipments	41,408	87,611	144,252	173,555	129,389	150,390
	Grand Total Carload	27,400,765	24,417,470	29,446,618	27,059,047	21,247,628	24,858,095
47	Small Packaged Freight Shipments	8,866	1,660	1,851	2,126	963	3,708
	Carload and LCL Traffic	27,409,631	24,419,616	29,448,469	27,061,173	21,248,591	24,861,803

Source: Iowa Department of Transportation, Rail and Water Division.

Revenue freight terminating on Class I railroads (tons), Iowa

Code No	Commodity	1970	1975	1980	1981	1982	1983
01	Farm Products	5,849,797	5,318,918	3,160,190	4,412,408	3,936,918	6,294,765
08	Forest Products	18,405	19,592	16,777	21,017	16,282	21,381
09	Fresh Fish	14,594	9,126	5,421	4,488	3,196	1,882
10	Metallic Ores	49,587	8,016	42,672	31,690	20,091	12,106
11	Coal	3,402,527	4,071,743	9,617,358	9,246,299	19,320,657	9,603,690
13	Crude Petroleum	2,224	224	30	45	317	—
14	Nonmetallic Minerals	2,459,163	2,352,562	743,136	567,715	278,314	286,469
19	Ordnance and Accessories	78,220	37,285	1,617	9,999	1,252	1,897
20	Food and Kindred Products	2,455,156	1,765,620	1,200,952	1,264,029	916,244	962,306
21	Tobacco Products	4,209	6,907	2,901	1,982	1,964	873
22	Basic Textiles	16,886	18,893	5,299	2,654	755	759
23	Apparel and Finished Textile	905	476	149	42	17	131
24	Lumber and Wood Products	627,922	545,636	299,121	267,209	177,436	185,072
25	Furniture and Fixtures	24,031	20,097	7,703	5,239	1,702	1,712
26	Pulp, Paper and Allied Products	756,008	685,197	716,355	725,287	620,886	645,417
27	Printed Matter	6,019	9,493	504	107	34	105
28	Chemical and Allied Products	3,209,320	3,362,749	3,314,087	3,295,270	2,596,669	2,625,956
29	Petroleum and Coal Products	462,522	440,687	187,675	206,106	145,195	189,665
30	Rubber and Miscellaneous	68,369	47,288	20,736	15,613	11,033	8,619
31	Leather and Leather Products	2,528	196	—	—	—	28
32	Stone, Clay, Glass Products	840,991	633,174	263,722	335,546	245,572	211,827
33	Primary Metal Products	700,010	484,711	549,684	626,355	362,578	443,449
34	Fabricated Metal Products	161,217	117,788	30,755	22,817	5,575	3,491
35	Machinery Except Electrical	67,346	57,804	17,949	12,643	8,568	5,694
36	Electrical Machinery	49,500	27,671	12,483	13,073	5,138	807
37	Transportation Machinery	186,929	252,591	162,410	183,235	111,687	107,698
38	Instruments, Optical Products	867	509	20	—	—	—
39	Miscellaneous Manufacturing Products	2,474	1,382	5,415	697	802	72
40	Wasted Scrap Materials	367,445	313,510	482,351	570,358	391,165	414,727
41	Miscellaneous Freight Shipments	7,530	4,102	3,687	10,590	26,860	21,760
42	Container, Returned Empty	6,087	8,019	8,839	9,926	9,129	7,159
44	Freight Forwarder Traffic	12,325	2,628	1,159	3,663	1,409	3,763
45	Shipper Associate or Similar Traffic	4,588	13,653	14,919	10,795	15,025	24,102
46	Miscellaneous Mixed Shipments	103,996	115,415	73,988	53,566	48,140	58,116
	Grand Total Carload	22,140,697	20,753,662	20,978,064	21,930,463	19,280,630	22,145,002
47	Small Packaged Freight Shipments	6,231	5,232	1,099	1,388	1,103	2,588
	Carload and LCL Traffic	22,146,928	20,758,894	20,979,163	21,931,851	19,281,733	22,147,590

Source: Iowa Department of Transportation, Rail and Water Division.

Iowa's transportation industry, 1982

SIC Code	Industry Description	Number of Establishments	Number of Employees	Annual Payroll ($000)
41	Local and interurban passenger transit	97	1,372	10,630
411	Local and suburban transportation	42	676	3,954
412	Taxicabs	26	264	1,751
413	Intercity highway transportation	10	146	3,056
415	School buses	11	171	1,003
42	Trucking and warehousing	1,853	17,036	295,310
421	Trucking, local and long distance	1,697	15,844	278,401
422	Public warehousing	138	1,046	14,112
423	Trucking terminal facilities	12	135	2,693
45	Transportation by air	75	755	13,286
451	Air transportation	49	598	11,709
458	Air transportation services	19	126	1,261
47	Transportation services	170	1,097	14,045
472	Arrangement of transportation	149	720	7,983

Source: County Business Patterns, 1982, Bureau of the Census, U.S. Department of Commerce.

Truck transportation

Commodity Groups	Intercity Truck Tonnage (Thousands)	Truck Percent of Total	Value of Shipments (Million Dollars)*	Truck Percent of Total
Food & Kindred Products	13,459	61.6	$ 7,427	75.5
Lumber & Wood Products	262	66.8	213	82.9
Furniture & Fixtures	89	89.9	236	89.7
Pulp & Paper	380	99.2	375	96.4
Printed Matter	678	93.8	564	79.1
Rubber & Plastic Products	270	75.0	595	71.7
Stone, Clay, Glass & Concrete Products	14,871	93.6	491	87.7
Primary Metal Products	401	84.8	662	87.1
Fabricated Metal Products	391	86.7	825	80.3
Non-electrical Machinery	1,194	74.1	3,609	75.6
Electrical Machinery	231	68.8	875	60.3
Miscellaneous Commodities	662	62.5	1,873	73.7
TOTAL	32,888	75.4	$17,745	75.8

*Value of shipments is defined as the "net selling value, f.o.b. plant, after discounts and allowances, and exclusive of freight charges and excise taxes."
Includes air, water, parcel delivery, and others.
Source: 1977 Census of Transportation, Commodity Transportation Survey, U.S. Department of Commerce.

Public transit

Iowa has 33 tax supported public transit systems; 17 urban and 16 regional (rural). During fiscal year 1984, these public transit systems provided approximately 17,368,000 miles of service, transporting 20,923,361 passengers.

	Urban Areas			Regional Area			Total		
	1982	1983	1984	1982	1983	1984	1982	1983	1984
Miles of Service (000)	9,931	10,051	10,307	4,734	5,066	7,062	14,665	15,117	17,368
Passengers (000)	19,644	18,883	18,603	1,793	2,024	2,320	21,437	20,907	20,923

Source: Public Transit Division, Iowa Department of Transportation.

Unofficial navigation tonnage

	1970 (tons)	1975 (tons)	1979 (tons)	1980 (tons)	1981 (tons)	1982[1] (tons)	1983 (tons)
Missouri River							
Traffic—Sioux City to Omaha							
Farm Products	93,112	34,146	195,516	59,316	34,883[1]	19,663	50,626
Food & Kindred Products	113,243	119,090	156,087	148,594	134,567[1]	219,663	242,574
Chemicals	118,198	138,149	142,080	85,679	101,020	99,348	117,496
Other	48,765	64,029	48,615	56,704	52,376	65,158	116,100
Total	373,318	355,414	542,298	350,293	322,846	403,832	526,796
Mississippi River							
Traffic—Rock Island District							
Grain	9,022,300	12,054,324	21,358,560	22,774,160	25,724,670	21,559,655	30,985,899
Coal	6,401,355	4,932,500	4,176,600	4,176,600	3,948,684	5,624,925	5,939,964
Petroleum	2,708,721	2,180,053	2,488,060	2,586,760	2,651,087	1,820,068	1,567,849
Other	4,278,094	5,418,246	4,589,233	4,817,869	4,498,496	5,566,616	6,264,008
Total	22,410,470	24,505,123	32,612,453	34,355,389	36,822,937	34,571,264	44,757,720

[1]Grain is reported in food and kindred products, and the 1981, 1982 and 1983 farm products reflects other agricultural products such as alfalfa pellets.
Source: Iowa Department of Transportation.

Road construction

Fiscal Year	Primary Roads	Interstate Roads	State Parks and Institutional Roads	Farm to Market Roads	Total
7-1-74 to 6-30-75	$ 93,693,469	$28,921,887	$ 839,234	$38,643,382	$162,097,972
7-1-75 to 6-30-76	74,349,436	24,923,643	655,277	31,019,921	130,948,279
7-1-76 to 6-30-77	99,076,327	43,357,379	679,271	33,989,926	177,102,904
7-1-77 to 6-30-78	121,110,115	15,007,379	805,732	45,051,623	181,974,849
7-1-78 to 6-30-79	105,277,146	54,518,440	1,437,092	47,287,367	208,520,045
7-1-79 to 6-30-80	75,539,584	20,875,799	1,873,688	49,772,220	148,061,291
7-1-80 to 6-30-81	74,174,384	33,638,590	2,011,011	64,563,285	174,387,270
7-1-81 to 6-30-82	73,162,427	51,858,856	968,299	48,909,611	190,646,008
7-1-82 to 6-30-83	118,742,693	68,773,026	1,572,330	57,221,855	246,309,906
7-1-83 to 6-30-84	146,252,049	48,725,646	781,824	72,355,028	283,044,587

Source: Iowa Department of Transportation, Contracts Administration.

Traffic fatalities

State	Traffic Deaths 1981	Traffic Deaths 1982	Traffic Deaths 1983	Traffic Deaths per 100,000,000 vehicle miles 1981	1982	1983
U.S.	50,800	46,482	44,600	3.3	2.9	2.7
Illinois	1,880	1,671	1,553	2.8	2.5	2.3
IOWA	612	480	509	3.2	2.5	2.5
Kansas	568	498	411	3.3	2.8	2.2
Minnesota	729	581	558	2.6	2.0	1.8
Missouri	1,107	908	921	3.1	2.6	2.5
Nebraska	383	261	255	3.3	2.3	2.1
South Dakota	117	148	174	2.8	2.3	2.6
Wisconsin	949	772	735	2.9	2.4	2.2

Source: National Safety Council, Accident Facts, 1984 Edition.

Class I railroads[1]

	1960	1965	1970	1975	1980	1982	1983r
Miles of road operated within the state	8,301	8,154	7,963	7,457	4,650	5,189	4,695
Tons of revenue freight carried within the state	89,663,657	101,803,715	93,916,708*	112,680,340	137,294,000	108,728,407	N/A

N/A = Not Available
[1]Class 1 railroads are those having revenues of $50 million and over per year.
Source: Iowa Department of Transportation, Advance Planning Section.

Registered aircraft

	1970	1975	1980	1981	1982	1983	1984
Number of registered aircraft in Iowa	2,565	2,789	3,000	3,417	3,099	2,834	2,827

Source: Iowa Department of Transportation, Aeronautics Division.

Motor Vehicle registration, 1983

County	Total Registrations[1]
Adair	10,989
Adams	6,757
Allamakee	15,322
Appanoose	15,608
Audubon	9,367
Benton	25,834
Black Hawk	130,470
Boone	29,007
Bremer	25,969
Buchanan	22,938
Buena Vista	23,258
Butler	20,180
Calhoun	15,119
Carroll	23,862
Cass	19,552
Cedar	20,799
Cerro Gordo	50,144
Cherokee	18,359
Chickasaw	16,358
Clarke	9,300
Clay	21,322
Clayton	21,906
Clinton	54,741
Crawford	19,987
Dallas	33,407
Davis	9,165
Decatur	9,260
Delaware	18,944
Des Moines	46,994
Dickinson	18,321
Dubuque	75,311
Emmet	14,836
Fayette	25,552
Floyd	20,872
Franklin	15,362
Fremont	10,357
Greene	14,778
Grundy	16,358
Guthrie	13,749
Hamilton	20,909
Hancock	15,298
Hardin	24,491
Harrison	17,411
Henry	20,219
Howard	11,865
Humboldt	14,677
Ida	10,410
Iowa	17,358
Jackson	21,731
Jasper	39,324
Jefferson	16,423
Johnson	67,421
Jones	20,495
Keokuk	14,577
Kossuth	24,841
Lee	41,983
Linn	64,115
Louisa	13,597
Lucas	11,334
Lyon	13,991
Madison	14,586
Mahaska	24,243
Marion	30,071
Marshall	44,110
Mills	13,234
Mitchell	13,376
Monona	13,056
Monroe	9,669
Montgomery	14,650
Muscatine	43,163
O'Brien	18,710
Osceola	9,440
Page	18,748
Palo Alto	13,513
Plymouth	25,232
Pocahontas	13,129
Polk	291,626
Pottawattamie	81,400
Poweshiek	20,770
Ringgold	7,012
Sac	15,877
Scott	144,579
Shelby	16,343
Sioux	30,433
Story	57,944
Tama	21,498
Taylor	9,394
Union	14,643
Van Buren	9,087
Wapello	39,271
Warren	36,603
Washington	22,006
Wayne	9,071
Webster	45,482
Winnebago	14,593
Winneshiek	21,083
Woodbury	89,881
Worth	10,194
Wright	18,193
County Total	2,918,897

[1]Does not include non-resident registrations.
Source: Iowa Department of Transportation, Motor Vehicle Registration Division.

Travel

Travel, vacations, conventions and outdoor life add up to a billion dollars a year in Iowa's growing tourism and travel industry. A 1984 study conducted at interstate welcome centers showed that the average travel party of 2.7 persons spent $75.90 each day they were in the state.

Named "The Beautiful Land" by Native Americans, Iowa has something for everyone. The state is dotted with historical sites, cultural facilities and terrain that can accommodate everything from downhill skiing to bicycling. Numerous hotels range from quaint to luxurious. There is an abundance of game and campgrounds, along with some of the finest golf courses in America.

Iowa has 19,000 miles of interior fishing streams, two major natural "great lake" areas and four of the nation's largest man-made lakes. The bordering Mississippi and Missouri Rivers offer water sports, scenery and the excitement of passenger or commercial water travel.

In 1983, the state adopted a slogan to promote Iowa's travel industry: "Come explore the heartland."

Tourism attractions

298,249	Resident Fishing Licenses
134,140	Resident Hunting Licenses
103,711	Resident Combination Licenses
23,206	Non-Resident Hunting Licenses
12,316	Non-Resident Fishing Licenses
76,073	Gun Deer Licenses
19,188	Bow & Arrow Deer Licenses
15,820	Landowner-Tenant Deer Licenses
42,981	Iowa Duck Stamps
30,645	Trout Stamps
18,663	Resident Trapping
11,986	Turkey Licenses
261,340	Habitat Stamps
300,000	Acres of Public Hunting Areas
42,000	Acres of Public Waterfowl Refuges
2,800,000	Visitors to Public Hunting Areas

53%	of Visitors to Public Hunting Areas Were Not Hunters
203,500	Surface Acres of River Boundary Waters
80,000	Farm Ponds in Southern Iowa
33,000	Acres of Natural Lakes
23,000	Acres of Man-Made Lakes
2,000	Acres of Oxbow Lakes
30,200	Acres of Federal Reservoirs
19,000	Miles of Interior Fishing Streams
72	State Parks and Recreation Areas
13,202,877	State Park and Recreation Visitors in 1982
43	State Parks with Lakes
55	State Parks with Camping
25,000	Acres of State Forests
5,000	Acres of State Preserve Areas
1,112	County Conservation Board Areas
1,561,000	Acres of Iowa Forests

Wild game statistics

	No. Hunters	Game Harvested
Pheasant	203,000	1,047,000
Rabbits	126,000	729,000
Squirrel	98,500	670,000
Quail	63,000	271,000

	No. Hunters	Game Harvested
Turkeys	13,500	3,036
Deer Bow	20,000	5,200
Deer Gun	91,000	30,400
Total Deer	101,000	35,600

Source: Iowa Conservation Commission

State park attendance, 1983

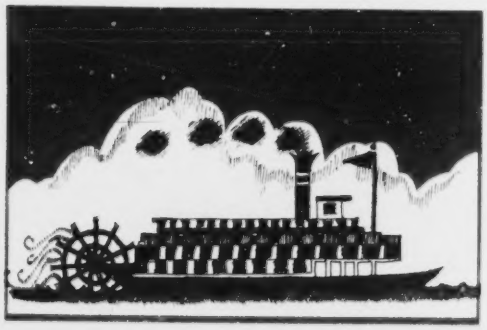
A. A. Call	205,401	Lake Macbride	612,500	Red Haw	381,300
Backbone	542,112	Lake Manawa	1,232,736	Rock Creek	265,300
Beeds Lake	108,615	Lake of Three Fires	151,375	Springbrook	494,740
Bellevue	186,750	Lake Wapello	193,062	Stone Park	291,500
Big Creek	482,139	Ledges	84,300	Trappers Bay	46,695
Black Hawk	581,391	Lewis and Clark	176,750	Twin Lakes	40,610
Bob White	56,831	Lower Gar	14,380	Union Grove	197,750
Brushy Creek	80,990	Maquoketa Caves	110,619	Viking Lake	194,690
Clear Lake	308,575	Marble Beach	130,385	Volga River	171,706
Dolliver	220,600	Margo Frankel	44,806	Walnut Woods	83,773
Elk Rock	83,348	McIntosh Woods	143,050	Wanata	14,660
Emerson	146,895	Mini-Wakan	41,035	Wapsipinicon	626,900
Fort Defiance	68,063	Nine Eagles	47,230	Waubonsie	120,279
Geode	301,750	Okamanpedan	40,930	Wild Cat Den	266,386
George Wyth	504,220	Palisades-Kepler	325,969	Wilsin Island	100,827
Green Valley	225,037	Pammel	92,997	Yellow River	8,278
Gull Pond	179,245	Pikes Peak	111,975		
Honey Creek	144,180	Pikes Point	60,340	TOTAL	13,202,877
Isthmus	22,845	Pilot Knob	159,047		
Lacey-Keosauqua	211,200	Pine Lake	405,300		
Lake Ahquabi	222,070	Pleasant Creek	173,198		
Lake Anita	156,800	Plum Grove	7,047		
Lake Darling	226,170	Prairie Rose	172,700		
Lake Keomah	88,115	Preparation Canyon	12,410		

Source: Iowa Conservation Commission.

State-owned recreation areas

Iowa's state owned parks and recreation areas offer:

Camping
Hunting
Picnicking
Swimming
Boating
Fishing
Nature Trails
Golf
Winter Skiing
Snowmobile Trails
and much more



Economic impact of travel

	1978	1980	1981	1982
Total expenditures ($000)	1,267,900	1,543,600	1,594,701	1,594,000
Jobs directly attributable to traveler spending in Iowa (000)	49.0	54.0	51.5	48.3
Average travel expenditures generating one job in the travel industry ($000)	25.8	28.6	31.0	N/A
Tax revenue directly generated by travelers to the State Treasury ($000)	44,640	58,100	55,000	N/A

Source: U.S. Travel Data Center County Travel Economic Impact Model (CTEIM).

Welcome center survey results
(May-September)

	1977	1980	1981	1982	1983
Percent of visitors with destination in Iowa	13%	22%	23%	20%	22%
Average days spent on trip	20.9	16.5	14.8	16.7	15.9
Average days spent in Iowa	2.5	2.9	2.9	2.4	2.6
Average travel party size	3.2	3.0	3.1	2.7	2.8
Average party spending per day	$ 40.42	$ 57.12	$ 71.50	$ 62.17	$ 80.46
Estimated spending of center visitors	$ 5,029,460	$ 8,297,970	$11,780,382	$ 9,144,213	$15,030,523
Estimated economic impact of center visitors	$13,176,078	$21,219,719	$30,389,944	$23,510,085	$41,639,929

Source: Iowa Development Commission.

Impact of travel on counties, 1981

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
State Total	$1,594,701	$321,522	51,453	$54,952	$15,007
Polk	457,473	99,859	13,553	12,999	5,356
Linn	143,996	31,659	4,060	3,738	1,623
Scott	123,916	22,033	3,926	4,465	996
Woodbury	79,271	16,439	2,572	2,678	798
Black Hawk	73,915	15,276	2,362	2,482	671
Johnson	65,972	12,942	2,530	2,887	496
Dickinson	64,115	12,080	2,238	2,455	463
Dubuque	51,828	10,969	1,746	1,879	610
Cerro Gordo	40,874	7,912	1,458	1,636	304
Lee	34,417	5,128	686	748	197
Des Moines	33,056	6,545	1,044	1,103	251
Story	28,984	5,796	1,110	1,267	222
Pottawattamie	27,956	5,309	1,032	1,208	308
Jasper	23,386	4,431	877	1,019	170
Muscatine	17,948	3,452	659	765	176
Iowa	15,868	3,014	601	694	116
Marshall	14,849	2,904	557	645	111
Wapello	14,526	2,813	522	594	108
Clay	13,363	2,558	497	578	98
Webster	10,767	2,128	357	409	82
Boone	10,409	1,981	387	451	76
Dallas	8,327	1,557	303	358	60
Clinton	8,168	1,617	269	315	62
Buchanan	6,873	1,265	231	260	49
Mahaska	6,740	1,293	246	282	50
Allamakee	5,625	1,045	197	225	40
Hardin	5,601	1,051	202	241	40
Crawford	5,450	1,044	201	236	40
Bremer	5,439	1,036	201	235	40
Harrison	5,431	989	192	232	38
Appanoose	5,401	1,028	200	233	39
Guthrie	5,303	1,001	198	228	38
Fayette	5,155	961	184	219	37
Jackson	4,989	932	174	199	36
Carroll	4,962	951	179	214	36
Kossuth	4,886	889	165	206	34
Monona	4,834	901	177	208	35
Clarke	4,799	899	178	208	34
Tama	4,702	881	169	198	34
Montgomery	4,686	896	175	204	34
Cherokee	4,550	876	169	197	34
Chickasaw	4,378	817	161	189	31
Clayton	4,292	784	147	172	30
Poweshiek	4,253	814	137	149	31
Cedar	4,112	752	142	168	29
O'Brien	4,086	759	146	176	29
Page	4,059	764	146	175	29
Humboldt	3,921	726	143	170	28
Marion	3,706	724	134	158	28
Buena Vista	3,660	696	131	156	27
Emmet	3,593	678	128	150	26
Winneshiek	3,540	693	129	152	27
Keokuk	3,459	637	124	148	24
Butler	3,423	638	125	145	24

Impact of travel (continued)

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
Floyd	3,321	639	119	140	25
Palo Alto	3,132	573	105	121	22
Henry	3,038	571	105	126	22
Delaware	3,029	526	72	70	20
Cass	2,969	580	107	126	22
Jones	2,961	530	101	124	20
Hamilton	2,888	547	103	122	21
Jefferson	2,857	560	104	123	21
Pocahontas	2,739	503	98	117	19
Worth	2,651	498	99	115	19
Winnebago	2,559	485	91	108	19
Plymouth	2,462	451	80	101	17
Wright	2,425	429	77	92	16
Union	2,296	443	83	98	17
Washington	2,259	417	76	94	16
Mills	2,189	393	75	93	15
Shelby	2,149	403	76	92	15
Davis	2,127	390	75	90	15
Wayne	2,110	385	75	90	15
Sioux	2,060	400	65	84	15
Fremont	1,997	397	76	87	15
Adams	1,977	373	74	86	14
Monroe	1,942	352	68	83	14
Decatur	1,883	354	70	81	14
Calhoun	1,742	286	40	47	11
Lucas	1,647	301	58	70	12
Warren	1,606	275	46	64	11
Madison	1,579	278	52	65	11
Franklin	1,532	273	52	63	10
Howard	1,456	265	51	60	10
Audubon	1,447	279	52	62	11
Adair	1,440	260	50	61	10
Greene	1,426	278	52	61	11
Osceola	1,380	255	50	59	10
Sac	1,360	228	32	35	9
Louisa	1,251	210	31	35	8
Hancock	1,115	215	38	45	8
Mitchell	1,098	194	36	44	7
Grundy	949	161	29	38	6
Ringgold	857	152	27	32	6
Ida	790	137	25	33	5
Benton	755	111	17	27	4
Taylor	685	126	25	30	5
Lyon	671	109	20	28	4
Van Buren	600	108	21	24	4

Source: U.S. Travel Data Center County Travel Economic Impact Model.

Travel to and through Iowa

Characteristics of trip or traveler	All travel to and through state				Trips to destinations			
					In This State		In Other States[1]	
	Households taking trips (thousands)	Persons taking trips (thousands)	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]
TOTAL	3,364	7,673	17,665	29,173	8,763	25,814	1,772	3,360
Means of Transport								
Auto/Truck (without camping equip.)	(z)	(z)	14,468	21,757	7,129	19,802	1,185	1,955
Auto/Truck (with camping equip.)	(z)	(z)	1,806	2,219	772	1,733	290	486
Bus	(z)	(z)	154	393	109	349	45	45
Train	(z)	(z)	2	4	2	4	—	—
Air	(z)	(z)	650	3,123	546	2,689	105	434
Other	(z)	(z)	106	178	72	97	35	81
Purpose of Trip								
Visit Relatives/Friends	(z)	(z)	7,867	13,760	4,063	12,158	736	1,602
Business	(z)	(z)	2,413	7,166	1,572	6,873	168	293
Convention	(z)	(z)	353	361	139	294	38	67
Outdoor Recreation	(z)	(z)	1,891	1,400	672	1,151	106	249
Entertainment	(z)	(z)	982	578	309	416	130	162
Sightseeing	(z)	(z)	1,220	1,090	254	447	356	643
Personal/Fam. Aff/Med	(z)	(z)	1,702	3,448	1,016	3,277	117	171
Shopping	(z)	(z)	118	26	71	26	—	—
Other	(z)	(z)	1,121	1,345	668	1,172	123	173
Family Income								
Under $5,000	401	700	2,046	2,762	1,098	2,369	115	392
$5,000 to $7,499	252	526	859	1,194	369	1,004	118	191
$7,500 to $9,999	271	567	1,309	2,108	776	1,761	124	348
$10,000 to $14,999	749	1,684	3,453	6,549	1,649	5,867	397	681
$15,000 to $19,999	628	1,539	3,749	5,788	1,893	5,210	350	578
$20,000 to $24,999	421	1,167	2,188	3,577	1,027	3,086	269	491
$25,000 to $49,999	559	1,314	3,704	3,878	1,697	3,217	382	661
$50,000 or More	84	176	358	3,318	255	3,300	18	18
Occupation of Household Head								
Professional and Technical	577	1,364	3,228	5,495	1,678	4,758	363	737
Mgr./Admin. Except Farm	464	1,118	2,514	4,880	1,398	4,435	310	445
Sales	175	320	1,185	517	409	480	37	37
Clerical	227	434	773	1,483	309	1,162	86	321
Craft and Kindred	526	1,429	3,627	6,337	1,732	5,776	365	561
Operatives	261	646	1,414	3,249	787	3,115	83	134
Nonfarm Laborers	37	97	112	77	28	47	27	30
Service Workers	166	439	803	982	477	881	53	101
Farm Workers	246	615	1,969	1,664	1,029	1,496	105	168
Retired	391	756	1,335	2,450	590	1,895	242	555
Other	295	456	705	2,039	326	1,769	100	270
Size of Household								
1 Person	626	570	1,168	2,674	495	2,188	116	486
2 Persons	1,203	2,106	4,850	10,027	2,174	8,864	583	1,163
3 Persons	500	1,200	3,087	3,345	1,403	2,917	275	428
4 Persons	554	1,741	4,689	5,551	2,560	4,874	438	676
5 Persons or More	481	2,056	3,871	7,577	2,132	6,971	360	607
Weekend or Other Trip								
Weekend	(z)	(z)	7,117	7,291	4,302	7,058	185	233
Not a Weekend	(z)	(z)	10,440	51,774	4,415	18,647	1,587	3,127
Not Reported	(z)	(z)	108	108	46	108	—	—
Vacation or Other Trip								
Vacation	(z)	(z)	8,386	14,334	2,964	11,686	1,379	2,648
Not a Vacation	(z)	(z)	9,179	14,634	5,771	13,969	370	665
Not Reported	(z)	(z)	100	206	28	159	23	47
Round-Trip Distance								
200 to 299 Miles	(z)	(z)	3,916	4,002	3,155	3,965	24	37
300 to 399 Miles	(z)	(z)	2,769	3,950	2,002	3,899	28	51
400 to 599 Miles	(z)	(z)	3,384	3,864	1,580	3,706	119	158
600 to 799 Miles	(z)	(z)	1,647	7,778	967	7,538	100	239
800 to 999 Miles	(z)	(z)	943	1,244	273	1,035	52	209
1,000 to 1,999 Miles	(z)	(z)	2,135	2,855	372	1,874	527	982
2,000 and Over	(z)	(z)	2,614	5,275	414	3,796	823	1,480
Outside United States	(z)	(z)	256	204	—	—	98	204
Duration of Trip[1]								
No Nights out of Town	(z)	(z)	2,524	—	2,067	—	—	—
1 Night	(z)	(z)	2,272	1,700	1,715	1,692	8	8
2-3 Nights	(z)	(z)	5,867	6,766	2,916	6,510	229	256
4-9 Nights	(z)	(z)	3,899	7,564	1,391	6,772	517	792
10-15 Nights	(z)	(z)	1,511	5,431	440	4,552	470	879
16 Nights or More	(z)	(z)	1,592	7,712	234	6,288	547	1,424

Travel to and through Iowa (continued)

Characteristics of trip or traveler	All travel to and through state				Trips to destinations			
					In This State		In Other States[1]	
	Households taking trips (thousands)	Persons taking trips (thousands)	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]	Person-trips (thousands)	Person-nights (thousands)[2]
Number on Trip[4]								
1 Person	(z)	(z)	4,693	11,997	2,460	10,938	401	1,059
2 Persons	(z)	(z)	5,949	7,180	2,486	6,063	646	1,117
3 Persons	(z)	(z)	1,920	2,556	913	2,290	206	267
4 Persons	(z)	(z)	3,375	4,175	1,973	3,566	360	609
5 Persons or More	(z)	(z)	1,728	3,265	932	2,957	159	308
Age of Traveler[3]								
Under 18 Years	—	1,983	4,127	6,320	2,293	5,634	414	686
18-24	382	935	1,895	2,790	791	2,300	173	491
25-34	764	1,294	3,083	3,737	1,308	3,157	312	580
35-44	614	974	2,886	5,275	1,665	4,888	224	387
45-54	652	999	2,834	6,331	1,588	6,025	207	306
55-64	490	846	1,707	2,596	532	1,995	299	602
65 Years and Over	463	643	1,134	2,124	587	1,816	143	308
Education of Traveler[3]								
Elementary School or Less	308	2,086	4,232	6,521	2,253	5,711	499	810
High School	1,591	3,328	7,647	13,919	3,640	12,768	637	1,151
College	1,465	2,259	5,786	8,734	2,871	7,335	637	1,399
Sex of Traveler[3]								
Male	2,824	3,939	9,639	16,377	4,802	14,975	904	1,402
Female	540	3,735	8,026	12,796	3,962	10,838	868	1,958
Area of Permanent Residence								
In an SMSA Under One Million	953	2,339	7,143	7,877	3,666	6,996	541	880
In an SMSA One Million and Over	1,020	2,238	4,000	9,833	2,141	8,644	675	1,189
Not in an SMSA	1,391	3,097	6,522	11,464	2,957	10,173	555	1,291
Travel Region of Origin								
New England	(z)	(z)	138	133	12	17	96	116
Eastern Gateway	(z)	(z)	266	555	91	395	119	161
G. W. Country	(z)	(z)	176	349	51	288	46	61
South	(z)	(z)	312	1,454	161	1,310	70	144
Great Lakes Country	(z)	(z)	13,103	14,436	6,561	13,017	852	1,420
Mountain West	(z)	(z)	1,396	2,303	677	1,903	209	400
Frontier West	(z)	(z)	1,775	7,182	985	6,417	290	765
Far West and Hawaii	(z)	(z)	500	2,760	227	2,467	90	293

NOTE: Data include only those trips through the State in which 1 night or more was spent in the State. Detail may not add to totals within the table and totals may differ between tables due to rounding.

— Represents zero or rounds to zero. (z) Not applicable.

[1]Includes trips to destinations outside the United States.

[2]Nights spent in state.

[3]Includes total nights spent on trip, not just nights spent in state.

[4]Apparent inconsistency between figure for household trips and that for person-trips is because the two kinds of trips were weighted independently.

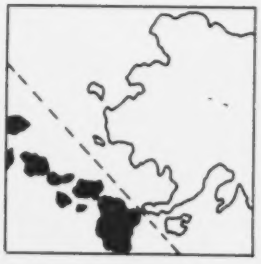
Source: Iowa Development Commission

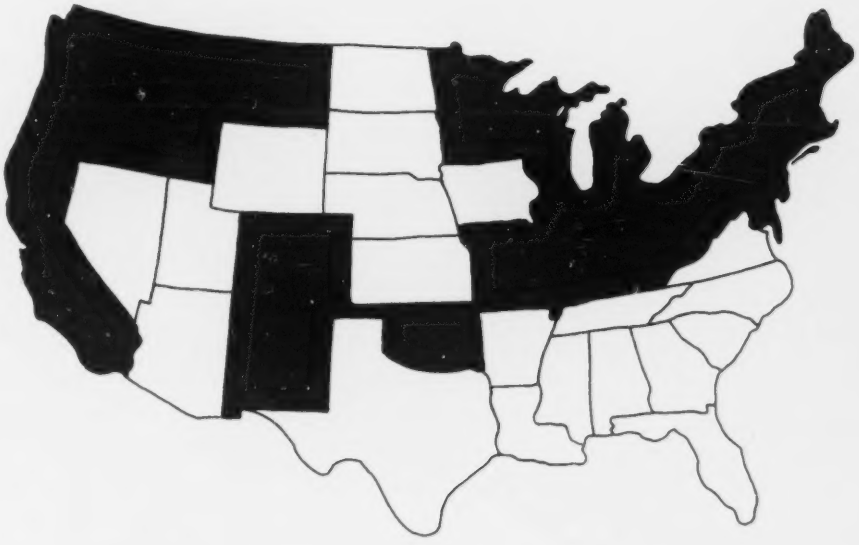
Workforce-Employment

Right-to-work law

Iowa law assures that no worker can be deprived of getting or keeping a job because the worker belongs, or does not belong, to any kind of organization—association, labor union, club, or professional group.

Traditionally, support for this law has transcended philosophical differences between political parties and among Iowa legislators. It is unlikely to be changed.





STATES WHICH BAN FORCED UNIONISM ARE SHOWN IN WHITE

Iowa scores well in labor-management harmony

	Union Membership (000)			Work Stoppages 1979		
	1970r	1978r	1980	Number	Workers Involved (000)	Days Idle (000)
Illinois	1,613	1,590	1,487	394	222	4,233
Indiana	694	700	649	193	59	1,547
IOWA	216	250	244	60	46	747
Kansas	143	144	146	23	11	107
Minnesota	420	464	463	112	28	573
Missouri	624	598	544	123	37	988
Nebraska	101	116	114	14	13	79
Ohio	1,509	1,472	1,376	508	170	3,573
South Dakota	26	34	35	11	2	53
Wisconsin	510	573	554	84	26	977
All States	21,852	23,306	22,811	4,827	1,727	34,754

r/revised
Source: U.S. Department of Commerce, Bureau of the Census, Statistical Abstract of the United States, 1982.

Iowa employment and unemployment

Year	IOWA Total Labor Force (000)	IOWA Total Employment[1] (000)	IOWA Number Unemployed (000)	IOWA Unemployment Rate (%)	U.S. Unemployment Rate (%)
1955	1072.6	1042.5	30.1	2.8	4.4
1957	1079.7	1047.7	32.0	3.0	4.3
1958	1077.0	1039.5	37.5	3.5	6.8
1959	1102.1	1071.5	30.5	2.8	5.5
1960	1104.1	1069.1	35.0	3.2	5.5
1961	1104.2	1061.0	43.3	3.9	6.7
1962	1087.8	1051.0	36.8	3.4	5.5
1963	1082.9	1049.7	33.1	3.1	5.7
1964	1095.4	1065.7	29.7	2.7	5.2
1965	1118.5	1091.4	27.1	2.4	4.5
1966	1152.0	1127.6	24.3	2.1	3.8
1967	1167.4	1138.7	28.7	2.5	3.9
1968	1177.3	1147.6	29.6	2.5	3.6
1969	1194.1	1160.7	33.4	2.8	3.5
1970[2]	1195.5	1155.7	39.8	3.3	4.9
1971	1208.6	1167.3	41.3	3.4	5.9
1972	1250.3	1218.0	32.3	2.6	5.6
1973	1284.3	1257.8	26.5	2.1	4.9
1974	1303.5	1275.2	28.2	2.2	5.6
1975	1315.4	1259.6	55.8	4.2	8.5
1976	1335.0	1282.0	53.0	4.0	7.7
1977	1385.0	1329.0	56.0	4.0	7.0
1978	1419.0	1362.0	57.0	4.0	6.0
1979	1432.0	1373.0	59.0	4.1	5.7
1980	1431.0	1344.0	82.0	5.8	7.1
1981	1427.0	1328.0	99.0	6.9	7.5
1982	1418.0	1297.0	121.0	8.5	9.5
1983	1422.0	1306.0	116.0	8.1	9.5

[1]Data from 1970 through 1980 has been revised to "place of residence" concept.
[2]Data from 1970 through 1981 has been adjusted to current population survey.
Source: Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May 1984.

Map shows insured 1982 unemployment as percent of average covered employment in the previous year.

Source: U.S. Department of Commerce, Statistical Abstract of the United States, 1984.

Productivity

	Manufacturing — 1978				
	Value Added (000,000)	Number of Production Workers (000)	Value Added Per Production Worker	Value Added Per Production Man-Hour	Value Added Per Dollar Paid in Production Wages
Illinois	$44,854.4	870.0	$51,556	$26.31	$3.77
Indiana	25,699.9	541.7	47,433	24.28	3.24
IOWA	9,846.1	175.6	56,071	29.08	4.05
Kansas	6,153.9	132.3	46,514	23.01	3.76
Minnesota	10,908.1	228.2	47,800	24.89	3.91
Missouri	15,031.3	308.2	48,771	25.46	3.97
Nebraska	3,249.7	66.9	48,575	24.45	4.13
Ohio	47,641.4	937.9	50,796	25.49	3.34
South Dakota	726.1	17.7	41,022	20.68	3.57
Wisconsin	18,813.9	399.2	47,129	24.12	3.49
United States	657,245.8	14,231.0	46,184	23.74	3.72

Source: 1978 Census of Manufactures, U.S. Department of Commerce, Bureau of the Census.

Employment climate

	Year	Illinois	Indiana	IOWA	Kansas	Minnesota	Missouri	Nebraska	Ohio	South Dakota	Wisconsin	United States
Annual average nonagricultural[1] employment (000)	1981	4,732.3	2,144.4	1,088.6	949.7	1,762.7	1,956.3	623.2	4,317.6	236.0	1,919.9	91,105
	1982r	4,593.3	2,028.0	1,041.9	921.4	1,706.8	1,922.4	609.8	4,124.2	230.2	1,866.7	89,596
	1983	4,501.1	2,007.4	1,018.2	915.5	1,714.2	1,917.0	608.5	4,083.8	233.1	1,848.9	89,978
Annual average manufacturing employment (000)	1981	1,131.4	652.6	236.5	188.6	364.0	427.5	94.9	1,232.6	25.9	543.1	20,173
	1982r	1,013.4	589.0	209.8	168.8	346.6	406.8	87.9	1,099.9	24.8	498.2	18,853
	1983	951.1	576.6	199.9	164.9	345.0	399.5	85.0	1,066.9	25.7	483.2	18,678
Average weekly manufacturing earnings (Dollars)	1981	356.23	375.74	379.20	325.22	330.96	318.37	322.80	389.78	296.19	352.55	318.00
	1982r	364.86	383.77	387.39	344.96	356.20	326.56	337.95	403.81	302.50	370.87	330.65
	1983	393.59	414.10	400.57	362.85	379.53	354.71	352.63	437.18	299.94	398.05	354.48
Average weekly manufacturing hours	1981	40.0	40.1	39.5	40.4	39.4	40.3	40.3	40.9	41.6	40.1	39.8
	1982r	39.2	39.2	38.7	39.2	39.1	38.6	39.9	40.1	41.1	39.6	38.9
	1983	40.6	41.0	39.7	39.1	39.7	39.9	40.3	41.4	41.2	40.7	40.1
Average hourly manufacturing earnings, incl. overtime (Dollars)	1981	8.91	9.37	9.60	8.05	8.40	7.90	8.01	9.53	7.12	8.80	7.97
	1982r	9.31	9.79	10.01	8.80	9.11	8.46	8.47	10.07	7.36	9.37	8.50
	1983	9.70	10.10	10.09	9.28	9.56	8.89	8.75	10.56	7.28	9.78	8.84
Unemployment (%)	1981	8.5	10.1	6.9	4.2	5.5	7.7	9.6	5.1	7.8	7.5	
	1982	11.3	11.9	8.5	6.3	5.5	9.2	6.1	12.5	5.5	10.7	9.5
	1983	11.4	11.1	8.1	6.1	8.2	9.9	5.7	12.2	5.4	10.4	9.5

r = Revised

Source: Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May 1984.

Employment by industry (figures in 000's)

Industry	1960 Annual Average	1965 Annual Average	1970 Annual Average	1975 Annual Average	1980 Annual Average	1981 Annual Average	1982r Annual Average	1983 Annual Average
Total Nonagricultural	681.0	754.6	882.8	998.7	1109.9	1088.6	1041.9	1021.5
Manufacturing	176.6	192.4	215.5	230.4	244.8	236.5	209.8	199.9
Durable goods	94.1	107.8	122.8	141.4	150.0	143.8	121.9	112.9
Lumber and furniture	7.5	6.5	8.2	8.6	8.5	8.3	7.4	8.2
Stone, clay and glass	6.8	6.5	6.7	7.0	6.4	5.5	4.9	4.6
Primary metal industries	6.4	8.0	8.5	7.6	8.5	8.6	7.9	7.1
Fabricated metal products	9.6	11.0	13.1	17.7	19.3	18.7	16.2	15.3
Machinery (except electrical)	33.6	41.3	44.6	59.0	64.9	62.0	48.5	42.3
Farm machinery	21.5	26.2	24.0	26.7	26.9	26.2	21.1	17.9
Construction and related machinery	5.0	6.1	9.0	19.3	22.1	19.5	13.4	11.5
Electrical equipment and supplies	19.4	22.7	23.7	24.7	25.3	23.5	21.3	19.3
Transportation equipment	2.2	2.7	5.6	8.3	7.4	7.6	6.7	7.2
Other durable goods[1]	8.6	9.1	12.4	8.6	9.7	9.6	9.0	9.1
Nondurable goods	82.5	84.6	92.7	89.0	94.8	92.7	88.0	87.0
Food and kindred products	53.4	51.5	54.4	47.7	48.5	46.9	44.6	43.5
Meat products	27.3	25.6	28.2	23.3	24.9	23.9	22.3	21.8
Grain mill products	8.8	9.4	10.9	11.1	11.3	11.1	10.4	9.9
Bakery products	NA	3.8	3.3	2.9	2.4	2.1	2.0	2.0
Apparel	3.8	3.9	4.0	3.8	4.1	4.0	3.9	4.1
Printing and publishing	11.9	12.3	13.6	15.0	17.8	17.6	17.5	17.4
Newspapers	6.0	6.2	6.6	6.5	7.4	7.1	6.9	6.7
Chemicals and allied products	5.1	6.1	7.5	7.2	7.8	7.6	6.9	6.5
Other nondurable goods[2]	1.2	1.3	1.8	2.1	2.1	2.1	1.8	1.9
Paper and allied products	2.2	2.9	3.6	3.7	4.2	3.9	3.7	3.6
Rubber and plastic products	4.8	6.6	7.8	9.5	10.3	10.6	9.5	10.0
Nonmanufacturing	504.4	562.2	667.3	768.3	865.1	852.1	832.1	821.6
Mining	3.3	3.3	3.0	2.8	2.2	2.0	1.7	1.8
Contract construction	36.6	37.4	40.6	49.8	50.9	44.4	38.1	35.7
Transportation and public utilities	53.6	49.6	51.1	53.3	56.3	55.0	52.7	49.7
Railroad transportation	15.7	12.5	10.1	9.0	8.0	7.8	6.5	5.5
Communication	12.9	11.5	12.5	13.3	14.5	14.2	13.7	12.5
Electric, gas and sanitary service	9.7	9.0	9.7	9.8	10.5	10.5	10.4	10.2
Wholesale and retail trade	169.8	185.6	209.2	250.8	280.7	277.4	267.2	260.9
Wholesale trade	42.4	43.8	44.1	67.8	76.7	75.4	73.0	69.6
Retail trade	127.5	141.8	165.2	183.0	203.9	201.9	194.2	191.3
Retail general merchandise	20.1	22.4	25.6	25.5	27.4	27.2	26.1	25.6
Finance, insurance and real estate	31.6	35.8	41.0	48.3	58.3	59.1	58.9	59.6
Banking	9.4	11.0	13.2	15.8	18.1	18.4	18.4	18.6
Insurance carriers, agents, and brokers	13.5	14.9	16.6	19.3	23.5	23.8	24.4	24.4
Service and miscellaneous	92.6	111.9	146.7	171.5	209.3	211.1	211.4	209.6
Medical and other health services	26.3	34.1	44.3	60.2	77.1	79.0	80.4	79.7
Government	116.9	138.5	175.7	192.0	207.4	203.1	202.0	204.3

r = Revised.
[1]Includes ordnance and accessories, instruments and related products, and miscellaneous manufacturing.
[2]Includes textile mill products, petroleum and coal products, and leather and leather products.
Place of Work Concept Method by which an employed individual is counted in the area where he works regardless of the area where he lives.
Source: Bureau of Labor Statistics, U.S. Department of Labor.

Manufacturing earnings

Industry	1965 Average	1970 Average	1975 Average	1979 Annual Average	1980 Annual Average	1981 Annual Average	1982r Annual Average	1983 Annual Average
Manufacturing	$2.78	$3.70	$5.40	$7.75	$8.67	$9.60	$10.01	$10.09
Durable goods	2.76	3.60	5.45	7.82	8.70	9.74	10.18	10.37
Lumber and furniture	2.13	2.99	4.44	6.32	6.94	7.53	7.98	8.27
Stone, clay and glass products	2.62	3.53	5.02	7.32	7.93	8.66	9.23	9.41
Primary metal industries	3.08	3.81	5.73	8.68	9.70	10.72	11.49	12.20
Fabricated metal products	2.51	3.35	4.84	6.62	7.01	7.65	8.36	8.79
Machinery except electrical	3.14	4.05	6.36	9.22	10.36	11.78	12.34	12.35
Farm machinery	3.36	4.27	6.80	9.61	10.97	12.67	13.27	13.14
Constructed and related machinery	2.89	4.02	6.54	9.83	10.92	12.22	12.73	13.40
Electrical equipment and supplies	2.43	3.26	4.59	6.75	7.47	8.37	8.95	9.58
Transportation equipment	2.39	3.15	4.17	5.57	6.54	7.46	7.83	8.11
Other durable goods	2.39	3.26	4.18	5.57	6.13	6.72	7.31	7.68
Nondurable goods	2.82	3.82	5.32	7.63	8.63	9.39	9.80	9.74
Food and kindred products	2.90	4.04	5.75	8.44	9.55	10.22	10.35	9.74
Meat products	3.30	4.59	6.43	9.28	10.75	11.33	11.03	9.55
Grain-mill products	2.89	3.80	5.77	8.31	9.03	10.13	11.07	11.56
Apparel and other textile products	1.60	2.26	2.85	4.02	4.53	5.09	5.50	5.76
Paper and allied products	b.	2.94	4.55	6.35	6.88	7.66	8.22	8.65
Printing and publishing	2.88	3.86	5.03	6.93	7.82	8.79	9.82	10.44
Newspapers	3.08	4.15	5.03	6.29	6.76	7.29	7.82	7.88
Chemicals and allied products	2.88	3.72	5.44	7.66	8.46	9.40	10.27	10.88
Rubber and plastics products, nec.	b.	4.17	5.37	7.63	8.58	9.47	9.98	10.64
Other nondurable goods	2.94	2.09	2.61	4.28	4.83	5.27	5.51	5.59

r = Revised

a. Estimates are based upon a sample of full or part-time production and related employees, who worked or received pay in the above industry groups during the week containing the 12th. Average hourly earnings reflect, in addition to changes in basic and incentive wage rates, such variable factors as overtime, late shift work, changes in output of workers paid on an incentive basis, and changing employment of workers, between relatively high-paid and low-paid work, and full-time status. Based on 1967 Standard Industrial Classification.
b. Included in "other durable goods."
Source: Bureau of Labor Statistics, U.S. Department of Labor.

Metropolitan workforce

TOTAL

Area	Labor Force (000) 1981	1982r	1983	Unemployed Rate 1981	1982r	1983	Non-Agriculture Employment (000) 1981	1982r	1983
IOWA	1427.0	1418.0	1423.0	6.9	8.5	8.2	1088.6	1041.9	1021.5
Cedar Rapids	87.9	85.6	84.7	8.1	9.7	8.5	81.9	77.1	75.0
Des Moines	184.2	184.0	186.2	7.2	7.8	7.2	177.2	172.9	170.8
Dubuque	45.0	43.1	43.0	10.7	14.2	12.2	41.9	37.6	37.3
Sioux City	54.9	53.8	54.3	7.4	8.2	7.6	49.2	46.3	46.2
Waterloo—Cedar Falls	68.7	67.2	65.9	8.0	12.1	13.0	64.7	59.4	55.9

Area	Employment (000) 1981	1982r	1983	Manufacturing Average Weekly Hours 1981	1982r	1983	Average Weekly Earnings 1981	1982r	1983
IOWA	236.5	209.8	199.9	39.5	38.7	39.7	$379.20	$387.39	$400.57
Cedar Rapids	26.2	23.2	20.7	39.9	40.4	40.9	379.85	419.35	433.54
Des Moines	23.5	21.1	20.6	38.7	38.8	38.8	387.39	421.37	448.53
Dubuque	14.5	10.9	10.5	39.1	38.4	38.7	421.10	420.10	407.12
Sioux City	9.1	8.2	8.8	39.6	39.7	39.8	317.20	347.77	353.03
Waterloo-Cedar Falls	22.8	18.8	16.2	39.2	37.8	39.1	497.06	492.16	495.40

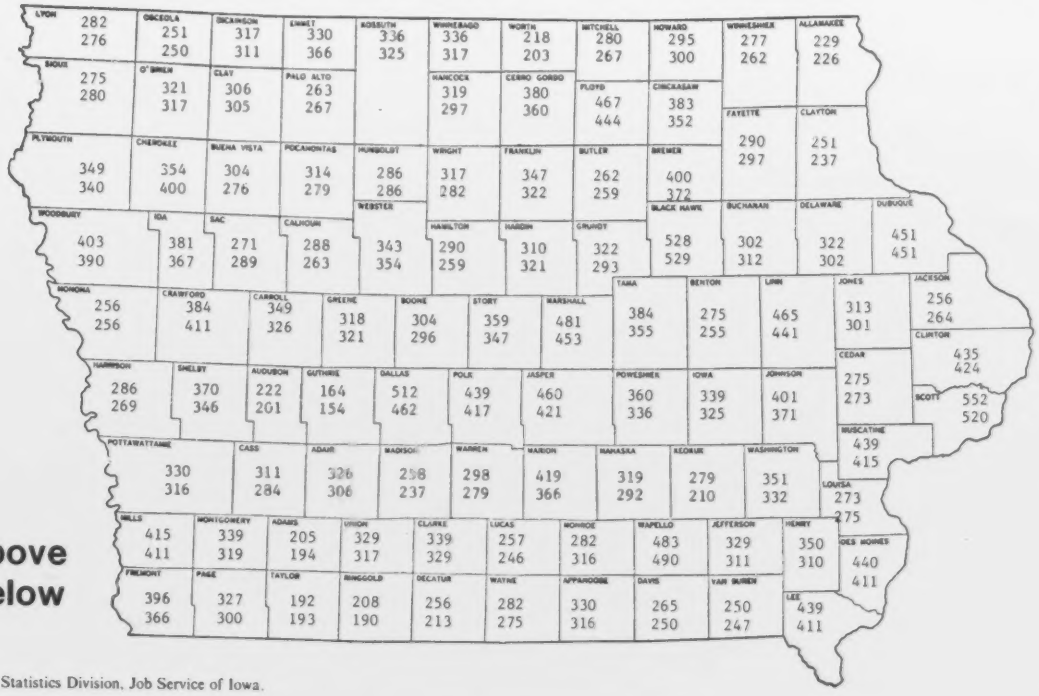
r = Revised.
Source: Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May 1984.

Unemployment rates

County	1981	1982	1983
Adair	4.0	4.5	5.0
Adams	4.2	5.7	5.0
Allamakee	8.8	9.3	8.4
Appanoose	10.1	14.1	12.4
Audubon	4.4	5.1	5.8
Benton	7.5	12.5	8.8
Black Hawk	8.0	12.1	13.0
Boone	5.0	7.2	7.5
Bremer	6.8	9.7	9.8
Buchanan	7.1	9.7	11.6
Buena Vista	4.4	7.2	5.1
Butler	7.5	9.9	10.4
Calhoun	4.6	5.8	5.5
Carroll	6.7	7.4	6.1
Cass	5.1	5.3	5.4
Cedar	4.1	6.8	6.2
Cerro Gordo	7.1	7.9	8.0
Cherokee	5.6	5.2	4.6
Chickasaw	10.7	11.8	12.6
Clarke	7.1	8.6	7.0
Clay	5.6	5.7	5.4
Clayton	8.2	10.2	8.9
Clinton	8.2	12.5	11.6
Crawford	4.8	6.3	5.5
Dallas	6.3	7.2	7.8
Davis	8.1	10.4	10.6
Decatur	5.4	5.9	7.7
Delaware	8.3	10.4	10.0
Des Moines	9.9	12.9	13.3
Dickinson	6.3	7.4	7.4
Dubuque	10.7	14.2	12.2
Emmet	6.7	12.7	13.4
Fayette	6.7	10.5	9.8
Floyd	12.3	14.5	16.6
Franklin	4.2	6.9	7.5
Fremont	3.1	4.6	4.8
Greene	7.2	8.4	7.6
Grundy	3.9	6.1	7.5
Guthrie	5.7	6.2	5.3
Hamilton	5.6	6.0	6.3
Hancock	5.2	7.7	6.3
Hardin	4.3	4.8	4.8
Harrison	5.4	8.2	8.3
Henry	7.7	8.1	8.1
Howard	6.5	8.1	7.5
Humboldt	5.4	6.8	7.0
Ida	3.2	3.2	3.1
Iowa	4.7	6.7	4.7
Jackson	10.1	13.5	13.1
Jasper	8.0	10.6	8.6
Jefferson	7.0	10.3	8.5
Johnson	4.7	4.2	3.7
Jones	6.3	9.1	8.2
Keokuk	10.5	10.6	9.1
Kossuth	6.3	7.2	6.1
Lee	9.0	12.0	11.0
Linn	8.1	9.7	8.5
Louisa	3.7	6.0	10.3
Lucas	6.2	7.7	6.6
Lyon	4.4	3.3	4.1
Madison	7.2	8.1	7.9
Mahaska	6.7	8.3	7.1
Marion	4.0	5.3	4.7
Marshall	6.2	9.4	10.6
Mills	4.1	4.4	4.6
Mitchell	8.2	8.1	9.0
Monona	6.0	7.2	6.7
Monroe	9.3	14.0	12.9
Montgomery	5.3	6.3	5.9
Muscatine	5.6	7.0	7.8
O'Brien	4.1	4.2	4.1
Osceola	6.3	7.3	6.2
Page	4.9	7.4	7.5
Palo Alto	6.4	7.5	7.8
Plymouth	5.3	5.7	5.2
Pocahontas	5.3	7.5	6.1
Polk	7.3	8.0	7.4
Pottawattamie	8.1	8.0	6.9
Poweshiek	5.0	6.7	6.5
Ringgold	3.8	5.8	7.7
Sac	6.5	11.1	9.7
Scott	7.9	11.2	11.1
Shelby	5.0	5.5	5.5
Sioux	4.8	4.5	4.0
Story	4.0	4.3	4.4
Tama	3.3	4.8	4.5
Taylor	4.0	6.0	7.4
Union	5.9	6.2	7.2
Van Buren	8.0	10.7	9.3
Wapello	11.6	12.3	12.9
Warren	5.6	5.6	5.0
Washington	5.9	6.7	7.1
Wayne	4.4	6.1	6.5
Webster	6.7	8.1	8.5
Winnebago	6.5	6.8	5.1
Winneshiek	7.1	6.7	7.0
Woodbury	7.8	8.1	7.7
Worth	8.0	8.3	7.8
Wright	4.9	5.7	6.1
IOWA	6.9	8.5	8.2

Source: Bureau of Labor Statistics, U.S. Department of Labor.

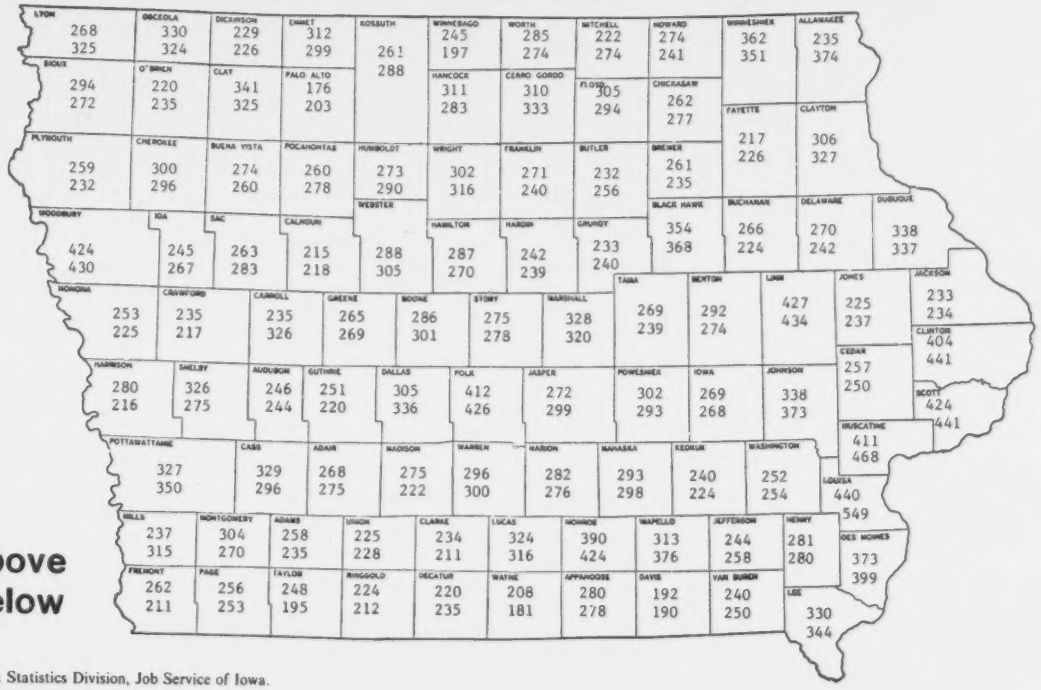
Average weekly manufacturing wage



1983 above
1982 below

Source: Research & Statistics Division, Job Service of Iowa.

Average weekly construction wage



1983 above
1982 below

Source: Research & Statistics Division, Job Service of Iowa.

IOWA
DEVELOPMENT
COMMISSION

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